

AUTOMOTIVE | INDUSTRIAL | GREASES

ENGEN LUBRICANTS

PRODUCT PORTFOLIO



With us you are Number One



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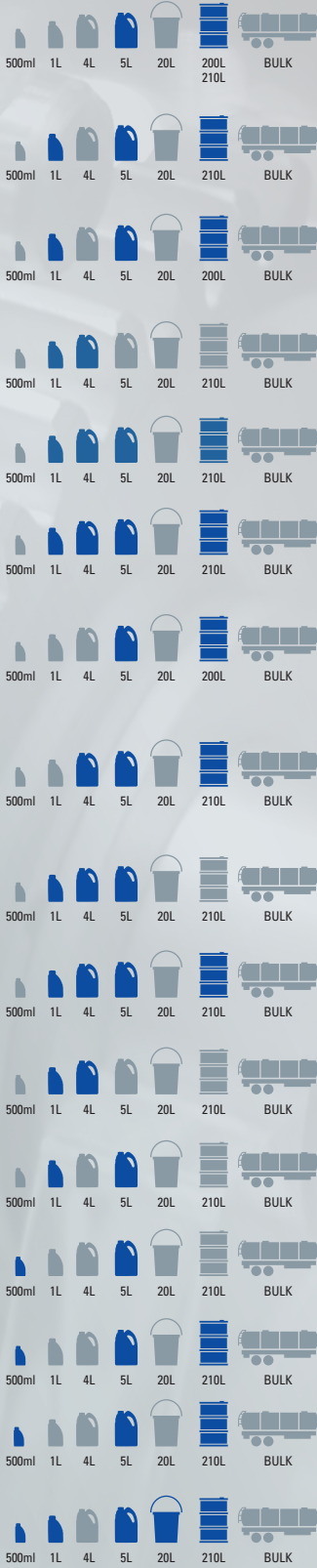
ENERGY
SAVINGMID TO
LOW SAPS /LOW
EMISSIONSENVIRONMENTALLY
ACCEPTABLE
LUBE (EAL)ZINC
FREEFOOD
GRADE

With us you are Number One



Passenger
Car
Vehicles

PRODUCT	BASE OIL TYPE	SAE GRADE	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
PETRONAS Syntium 7000 Hybrid 0W-20	Synthetic	0W-20	API SP, ILSAC GF-6A	Dexos1 Gen2, FCA 955535-CR1, FCA MS 6395		
PETRONAS Syntium 7000AV 0W-20	Synthetic	0W-20	API SN PLUS, ACEA C5	VW 508.00/509.00, Porsche C20		
PETRONAS Syntium 7000LL 0W-30	Synthetic	0W-30	API SN, ACEA C2	VW 504.00/507.00, BMW LL04		
PETRONAS Syntium 7000E 0W-30	Synthetic	0W-30	API SN, ILSAC GF-5, ACEA A5,B5,C2	Ford WSS-M2C950-A, Jaguar JLR 03.5007		
PETRONAS Syntium 5000 AV 5W-30	Synthetic	5W-30	API SP, ACEA A3,B3,B4,C3	MB-Approved 229.51/MB-Approved 229.52, BMW LL-04, VW 504.00 & 507.00, Porsche "C30"		
PETRONAS Syntium 5000 XS 5W-30	Synthetic	5W-30	API SN/CF, ACEA C3	MB-Approved 229.51, BMW LL-04, VW 505.01, GM Dexos 2		
PETRONAS Syntium 3000 AV 5W-40	Synthetic	5W-40	API SN, ACEA C3	MB-Approval 229.51, BMW Longlife-04 VW 502 00 / 505 00 / 505 01, Porsche A40. Renault RN0700 / RN0710, GM Dexos 2, Ford WSS-M2C917-A		
PETRONAS Syntium 3000 FR 5W-30	Synthetic	5W-30	API SN, ACEA A5/B5	Ford WSS-M2C913-C, 913-D. Renault RN0700 Jaguar STJLR.03.5003		
PETRONAS Syntium 3000E 5W-40	Synthetic	5W-40	API SN/CF, ACEA A3,B4	MB 229.5, BMW LL-01, VW 502.00 & 505.00, Renault RN700/RN710, Porsche A40		
PETRONAS Syntium 800 10W-40	Semi-Synthetic	10W-40	API SN/CF, ACEA A3, B3	MB 229.1, VW501.01/505.00		
PETRONAS Syntium 500 15W-40	Mineral	15W-40	API SN			
PETRONAS Syntium Racer X1 10W-60	Synthetic	10W-60	API SL/CF, ACEA A3,B3,B4			
Engen Formula DX 5W-30	Synthetic	5W-30	API SN/CF, ACEA C3	GM Dexos 2, MB 229.51, BMW LL-04, VW 505.01		
Engen Xtreme 5W-40	Synthetic	5W-40	API SN/CF, ACEA A3,B4	MB 229.5, BMW LL-01, VW 502.00 & 505.00, Porsche Standards		
Engen Xtreme 10W-40	Semi-synthetic	10W-40	API SN/CF, ACEA A3,B3,B4	MB 229.1		
Engen Xtreme 15W-40	Mineral	15W-40	API SL/CI-4, ACEA A3-96, B3-96	MB 229.1, VW 501.01&505.00		



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ENGINE OILS

ENERGY SAVING

MID TO LOW SAPS / LOW EMISSIONS

ENVIRONMENTALLY ACCEPTABLE LUBE (EAL)

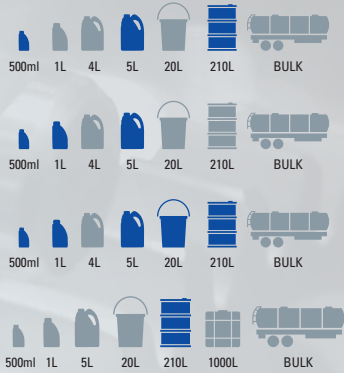
ZINC FREE

FOOD GRADE

QUALITY INDEX: ● PRESTIGE ● PREMIUM ● STANDARD

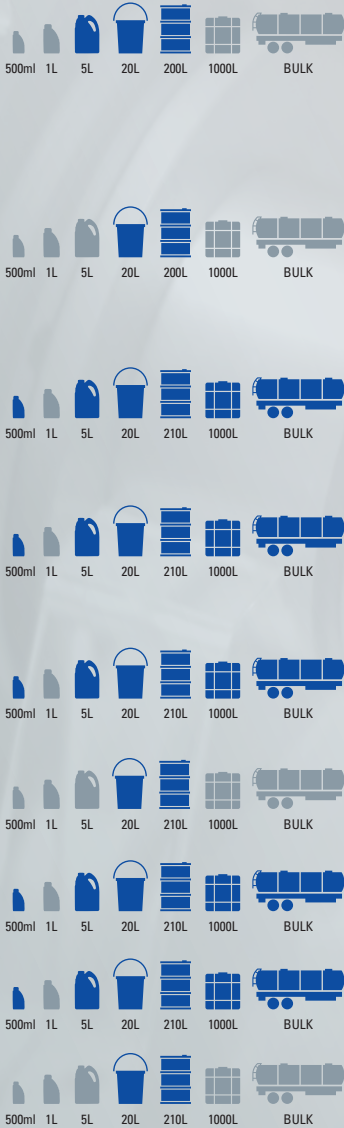
Passenger Car Vehicles

PRODUCT	BASE OIL TYPE	SAE GRADE	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Xtreme 20W-50	Mineral	20W-50	API SL/CF-4	JASO MA/MB	  	●
Engen Multigrade 20W-50	Mineral	20W-50	API SL/CF		  	●
Engen Premium Motor Oil 40	Mineral	40	API SF/CD		  	●
Engen Dieselube TM 10W-30	Mineral	10W-30	API CF-4		  	●



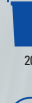
Commercial & Heavy Duty Vehicles

PRODUCT	BASE OIL TYPE	SAE GRADE	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
PETRONAS Urania 5000 LS 10W-40	Synthetic	10W-40	API CK-4, ACEA E6, E7, E9	Cummins CES 20086, Deutz DQC IV-18 LA, Mack EOS-4.5, MAN M3477, MB-Approval 228.51, MTU CAT. 3.1, Renault RLD-3, Volvo VDS-4.5, CAT ECF 3, DAF Extended Drain, DAF Rapido Service system required Detroit Diesel DFS93K222, IVECO 18-1804 CLASSE TLS E9, JASO DH-2, Scania Low Ash	      	●
PETRONAS Urania 3000 LS 15W-40	Mineral	15W-40	API CK-4, ACEA E9/E7	MB 228.31, Volvo VDS-4.5, Cummins CES 20086, MAN 3775, Renault VI RLD-3, Cat ECF-3, Deutz DQC III-10 LA, Scania Low Ash, Detroit Diesel DFS93K222, Ford WSS M2C171-F1, Mack EOS-4.5, MTU CAT.2.1, DAF	   	●
Engen Dieselube 700 Super	Mineral	15W-40	API CK-4/CJ-4/CI-4 PLUS/CI-4/SN, ACEA E7/E9-16, JASO DH-2	MB-Approval 228.31, MAN 3275, Volvo VDS-4.5, MTU type 2, Renault VI RLD-2, Cummins CES 20086, Caterpillar ECF-3, Ford WSS-M2C171-F1, Mack EOS-4.5, DDC93K222, Deutz DQC-111LA, Scania E7	      	●
Engen Dieselube 600 Super	Mineral	15W-40	API CI-4/SL, ACEA A3,B3,B4, E7-12 JASO DH-1	MB 228.3, MAN 3275, VDS-3, Cat ECF-2, cummins CES 20071/72, Allison C-4, Renault Trucks RD/RD-2, Mack EO-M+, MTU type 2, Deutz DQC-III-10	      	●
Engen Dieselube 500 Super	Mineral	15W-40	API CI-4/SL, ACEA A3,B3,B4, E7-12,	MB 228.3, MAN 3275, VDS-3, MTU DDC Type 2, Allison C4, Deutz DQC-III, Mack EO-N, Cummins CES 20077, Renault RLD-2	      	●
Engen Dieselube 510	Mineral	10W-20	API CF/SF, ACEA E2-96	MB 228.0, Cat T0-2, Mack EO-K2, MAN 270, MTU Type 1, Allison-C4, Komatsu	      	●
Engen Dieselube 530	Mineral	30	API CF/SF, ACEA E2-96	MB 228.0, Cat T0-2, Mack EO-K2, MAN 270, MTU Type 1, Allison-C4, Komatsu	      	●
Engen Dieselube 540	Mineral	40	API CF/SF, ACEA E2-96	MB 228.0, Cat T0-2, Mack EO-K2, MAN 270, MTU Type 1, Allison-C4, Komatsu	      	●
Engen Dieselube 550	Mineral	50	API CF/SF, ACEA E2-96	MB 228.0, Cat T0-2, Mack EO-K2, MAN 270, MTU Type 1, Allison-C4, Komatsu	      	●



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Automatic
Transmission
Fluids

PRODUCT	BASE OIL TYPE	APPLICATION	OEM SPECIFICATION	QUALITY INDEX
PETRONAS Tutela Multi CVT 700	Synthetic	 	Meets or Exceeds the performance requirements of: BMW Mini Cooper EZL 799 / EZL 799A / ZF CVT V1 / 83 22 0 136 376 / 83 22 0 429 154, Daihatsu AMMIX CVTF DFE, CVT Fluid DC, CVT Fluid DFE or DFC, Fluid TC, Dodge/Jeep/Chrysler NS-2, CVT+4, Ford WSD-M2C-199A, GM/Saturn DEX-CVT, GM CVT, Honda HMMF (without starting clutch), HCF2, Z-1 (CVT model, without starting clutch, not Yes for 2001-2007 Honda Fit & Jazz), CVT, Hyundai/Kia CVT-1, SP III (CVT model), Idemitsu CVTS-EX1, Mazda JWS 3320, MG Rover EM-CVT, Mitsubishi CVTF-J1 (MMC Diaqueen CVT Fluid J1), CVTF-J4 and -J4+ (MMC Diaqueen CVT Fluid J4 and J4+), (Diaqueen) SP-III (CVT model only), CVTF ECO J4, Nissan KTF-1, Nissan NS-1, NS-2 and NS-3, Renault Elf Matic CVT, Subaru iCVT, iCVT F and FG, ECVT, Lineartronic chain CVT and CVT II Fluid (K0425Y0710), Lineartronic High Torque (HT) CVT Fluid (K0421Y0700), Subaru NS-2, Suzuki CVTF TC, CVTF 3320, CVTF 4401, Suzuki NS-2, CVT Green 1, CVT Green 2, CVT Green 1V, Toyota CVTF TC, CVTF FE, Toyota Hybrid, Volvo CVT 4959, Audi Multitronic, Audi/VW TL 521 16 (G 052 516), Audi/VW TL 521 80 (G 052 180)	    
PETRONAS Tutela Multi DCT 700	Synthetic		Meets or Exceeds the performance requirements of: BMW Drivelogic 7-speed, DCTF-1, 6-speed DCT, Chrysler Powershift 6-speed Ford Powershift 6-Speed, WSS-M2C936A, Mitsubishi TC-SST 6-speed, Nissan Powershift 6-Speed, Peugeot / Citroën DCS 6-speed, Renault EDC 6-speed, EDC-7, Volvo Powershift 6-speed, Audi/Seat/Skoda/VW 6-speed FWD (G 052 182), DSG7 S-Tronic (G 052 529), ZF/Porsche Oil	    
PETRONAS Tutela ATF 700 HD	Synthetic	   	Approvals and Specifications: MAN 339 Type L1, V2, Z11, Z2, MB-Approval 236.9, Voith H55.6336.xx, Volvo 97341 ZF TE-ML 04D, 05L, 09, 14B, 16L, 20B, 21L Meets or Exceeds the performance requirements of: DEXRON®-IIIH, Allison C-4 (TES-228), Allison TES-389, Allison TES-295 Volvo 97340	    
PETRONAS Tutela Multi ATF 700	Synthetic	     	GM DEXRON®-VI, Ford MERCON® LV, JASO M315-2013 1A-LV, JASO M315-2013 1A, JASO M315-2013 2A JWS 3309, JWS 3314, JWS 3324, JWS 3317,Aisin Warner JWS 3309 (T-IV) & JWS 3324 (WS), AW-1, ATF RED 1, RED 1K, Audi/Seat/Skoda/VW G 052 025, G 053 025, G 052 162, G 055 025 (JWS 3309), G 052 162, G 055 162, G 060 162, G 052 990, G 055 540, 052 055, VW TL 521 62, Bentley PY112995PA, BMW JWS 3309 (T-IV), LA2634, LT71141, ZF 5HP18FL, 5HP24, 5HP30, 7045E, ETL 8072B, BMW MINI, Bosch TE-ML 09, Chrysler/Jeep ATF+4, MOPAR AS 68 RC and AS 69 RC (T-IV), 05127382AA, 68043742AA, 68171866AA, NAG 1, Daewoo LT 71141, Daihatsu AMMIX ATF D-II, Daihatsu AMMIX ATF D-III SP, Ford MERCON®, FNR5, WSS M2C 138CJ, 166H, WSS M2C 922A1, 924A (XT-8-QAW) JWS 3309, XT-2- QSM (Syn), ESP-M2C166H, XL-12, Fuso ATF-II, Fuso ATF-SPIII, Fuso ATF-AA, GM 9986195 (Aisin AW, JWS 3309), 1940700, 1940767, 21005966, 22717466, 88900925, 9986195, 93160393, AW1, 88863400, 88863401, Hino Blue Ribbon ATF • Honda ATF-Z1 (except in CVTs), ATF Ultra II, DW-1, Honda Type 3.0 and Type 3.1, Hyundai/Kia SP-IV, SP-IV M (SP4-M), SPH-IV, SP-IV-RR, SP-III, Dex-II/ SP-II, JWS 3314, NWS 9638, Idemitsu K17 3100 PL085, ISUZU BESCO ATF-II, ATF-III, ATF SP, SCS Fluid, ISUZU 08200-9001, Jaguar ATF 3403 M115, ATF LT71141, ZF 5HP24, ATF 3403 JLM20238, Jaguar K17, JLM 20292, Jaguar Fluid 8432, Jaguar 02JDE26444, Land Rover LR023288, Mazda ATF D-II, ATF M-III, ATF M-V, ATF FZ, ATF F-1, ATF S-1, ATF N-1, ATF 3317, MINI COOPER T-IV • Mitsubishi Diaqueen SK, SP-II, SP-III, SP-IV, AW, J2, J3, ATF PA, Nissan Matic Fluid C/D/J/K/S, Peugeot/Citroen (PSA) ZF 4HP20, Z 000169756, AL4 Automatic gearbox oil (#9730.AE), Porsche ZF 5HP19FL, ZF 5HP20, LT71141, ATF 3403-M115, T-IV (JWS 3309), 000 043 205 09, 999 917 547 00 (A2), 000 043 205 28, Z 000169756, Renault DPO/AL4, Matic D2, Renault Samsung SATF-D, Ssang yong DSIH 5M-66, Subaru ATF, ATF 5AT, ATF HP, ATF AW-1, AT OIL 5D06, ATF 2326, ATF 2384K, Toyota ATF T-IV, ATF WS, Toyota Hybrid, Volvo 97325, 97335, CE 97340, PN 1161521, PN 1161540/1161640, PN 31256774/31256675, PN 1161621, ZF all 3 & 4 speed transmission, ZF 8 speed transmissions, ZF 9 speed transmissions, ZF TE-ML 05L, 09, 11A, 11B, 21L	    
Engen ATF III	Semi-synthetic	JASO M315-2013 1A, JASO M315-2013 2A, Bosch TE-ML 09 ZF TE-ML 09, MERCON, GM DEXRON – III G/III H, Ford MERCON Allison C-4, MB 236.1, CAT TO-2	     	    
Engen ATF 22D	Mineral	Dexron II, Allison C-4, Cat TO-2, Voith, Denison HF-0, MB 236.1, MAN 339 type D, ZF TE-ML-09, 11 & 14	     	    
Engen ATF 33G	Mineral	Ford ESW-M2C 33-G	     	    

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Total Driveline

PRODUCT	BASE OIL TYPE	SAE GRADE	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
PETRONAS Tutela Axle 700 EHD 75W-90	Synthetic	75W-90	SAE J2360, API GL-4/GL-5/MT-1	MAN 341 Type Z2 and MAN 342 Type S1, MB-Approval 235.8, Meritor 076N, SCANIA ST0 1:0 and SCANIA 2:0A FS, Volvo 97312, ZF TE-ML 02B, 05A, 07A, 12L, 12N, 16B, 16F, 17B, 19C, 21A, MIL PRF-2105E		500ml 1L 5L 20L 200L 1000L BULK

Manual Gearbox

PRODUCT	BASE OIL TYPE	SAE GRADE	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
PETRONAS Tutela Transmission FE Gear	Synthetic	75W-80	API GL-4	MAN 341 Type Z4, ZF TE-ML 01L, 02L, 08, 16K		500ml 1L 5L 20L 200L 1000L BULK
PETRONAS Tutela Multi MTF 700 75W-80	Synthetic	75W-80	API GL-4	AUDI / SEAT / SKODA / VW G 052 317, G 052 171, G 052 178, G 052 512, G 052 726, G 060 726, G 50, G0 52 527, G0 70 726, BMW MTF LT-2, LT-3, LT-4 • FORD WSD-M2C200-C; FORD WSS-M2C200-D2, GM 194004 / 19259104; GM 1940182 / 1940764 / 1940768, NISSAN MT-XZ, MT-XZ TL (JR Type), PSA B712330, LAND ROVER SPECIAL GEAR OILMTF 94, HONDA MTF, MTF-II, MTF-III, RENAULT MTF type NFJ, NFP, TRJ, TRT, TRZ, VOLVO 97308, 97309		500ml 1L 5L 20L 210L 1000L BULK
Engen Gearlube HP 80W-90	Mineral	80W-90	API GL-4	MIL-L-2105, ZF TE-ML-08, MAN 341 Z2, Ford SQM-2C 9008-A		500ml 1L 5L 20L 210L 1000L BULK

Differential / Final Drive

PRODUCT	BASE OIL TYPE	SAE GRADE	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Gearlube EP FE 75W-85	Synthetic	75W-85	API GL-5	API MT-1, ZF TE-ML 07A, ZF TE-ML 08		500ml 1L 5L 20L 210L 1000L BULK
Engen Gearlube EP 90-A	Mineral	90	API GL-5	MIL-L-2105B, MAN 342 Type M-2, MB 235.6, ZF TE-ML-01		500ml 1L 5L 20L 210L 1000L BULK
Engen Gearlube EP 80W-90	Mineral	80W-90	API GL-5	MIL-L-2105D, MAN 342 Type M-2		500ml 1L 5L 20L 210L 1000L BULK
Engen Gearlube EP 85W-140	Mineral	85W-140	API GL-5	MIL-L-2105D, MAN 342 Type M-2		500ml 1L 5L 20L 210L 1000L BULK
Engen Gearlube EP 90 LS	Mineral	90	API GL-5	MIL-L-2105B, ZF TE-ML-05C,12C,16E and 21C, VW TL-754, Ford ESW-M2C 119A and 104A		500ml 1L 5L 20L 210L 1000L BULK

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AUTOMOTIVE GEAR OILS

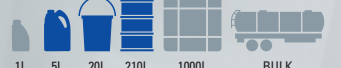
Off Highway

PRODUCT	BASE OIL TYPE	SAE GRADE	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Transfluid TO-4 SAE 10W	Mineral	10W	Cat TO-4, Allison C-4	  	
Engen Transfluid TO-4 SAE 30	Mineral	30	Cat TO-4, Allison C-4	  	
Engen Transfluid TO-4 SAE 40	Mineral	40	Cat TO-4, Allison C-4	  	
Engen Transfluid TO-4 SAE 50	Mineral	50	Cat TO-4, Allison C-4	  	
Engen Transfluid TO-4 SAE 60	Mineral	60	Cat TO-4, Allison C-4	  	
Engen Transfluid FD-1 SAE 60	Mineral	60	Cat FD-1	  	



COOLANTS

PRODUCT	BASE OIL TYPE	CORROSION TECHNOLOGY	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Supercool LL	Pre-mix 50:50	OAT - Organic Acid Technology	ASTM D 3306 and ASTM D 4985	MB 326.3, MAN 324 SNF, VW/Audi TL 774-D/F, MTU MTL 5048, Cummins CES 14603, CAT EC-1, DDC 93K217, Navistar CEMS-B-Type IIIa, Behr	   	
Engen Supercool NG	Pre-mix 50:50	SI-OAT - Silicate Organic Acid Technology	ASTM D 3306, ASTM D 4985, SAE J1034, China GB 29743-2013 and SANS 1251:2005	MB 326.5 (MB 325.5 Corrosion Inhibitor), MAN 324 Type Si-OAT, MTU MTL 5048, Cummins CES 14603, Deutz DQC CC-14, Liebherr Minimum LH-01-COL3A, Porsche From MY 1996, VW/Audi/Seat/Skoda/Lamborghini/Bentley/Bugatti TL 774-G	   	
Engen Coolant PM	Pre-mix 50:50	Hybrid Technology	ASTM D 3306, ASTM D 4985, SAE J1034, AFNOR NF R 15-601, ONORM V 5123 and BS 6580: 1992.	MB 326.0, MAN 324 NF, VW/Audi TL 774-C, BMW N 600 69.0, MTU MTL 5048, GM B 040 0240, Scania TB 1451.	   	
Engen Antifreeze & Summer Coolant	Concentrate	Hybrid Technology	ASTM D 3306, ASTM D 4985, SAE J1034, AFNOR NF R 15-601, ONORM V 5123 and BS 6580: 1992.	MB 325.0, MAN 324 NF, VW/Audi TL 774-C, BMW N 600 69.0, MTU MTL 5048, GM B 040 0240, Scania TB 1451	   	
Engen Multipurpose Antifreeze	Concentrate		BS 6580:2010 and ASTM D 3306, SABS 1251		   	
Engen Ready Mix Coolant	Pre-mix 50:50		BS 6580:2010 and ASTM D 3306		   	



BRAKE FLUIDS

PRODUCT	BASE OIL TYPE	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Engen Super Hydraulic Brake & Clutch Fluid Dot 4+	Synthetic	SAE J 1703, Dot 4	   	



ENERGY SAVING  MID TO LOW SAPS / LOW EMISSIONS  ENVIRONMENTALLY ACCEPTABLE LUBE (EAL)  ZINC FREE  FOOD GRADE 

QUALITY INDEX: PRESTIGE PREMIUM STANDARD

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EMISSION FLUIDS

PRODUCT	BASE OIL TYPE	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Air 1	Urea Solution 32.5%	ISO 22241 and the supply chain principles of CEFIC AUS 32, Quality Assurance Guidance Document for Automotive Grade Urea, version 2.0 dated 12th September 2005.		 



AGRICULTURAL FLUIDS

PRODUCT	BASE OIL TYPE	SAE GRADE	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Agritrac Super Universal	Mineral	15W-40	API CG-4/SF, API GL-4	Ford New Holland M2C 159-C and M2C 134-D, MF M1135, M1139, M1143, M1144, M1145, JOHN D J20C & J27, Allison C-4, Cat TO-2,		
Engen Fluid PST	Mineral	15W-40	API GL-4	John Deere J20C, Massey Ferguson M1135, M1141, M1143, M1145, Allison C-4, CAT TO-2, Ford New Holland M2C 86B-C & M2C 134-D, CNH MAT 3525, 3526, ZF TE-ML 06 A, B, C, R, / 07B		
Engen Agrifluid	Mineral	10W-30	API GL-4	John Deere J20C, Massey Ferguson M1135, M1141, M1143, M1110, M1129A, Allison C-4, Cat TO-2, MS 1204, MS1205, MS 1206, MS1207, Ford New Holland M2C 134-D, M2C 41B, M2C 48B & M2C 53A, Volvo Transmission Oil 97303		
Engen Agrifluid Plus	Mineral	10W-30	API GL-4	Ford New Holland M2C 134-D, M2C 41B, M2C 48B & M2C 53A, Massey Ferguson M1135, M1141, M1143, M1110 (obsolete), M1127 (obsolete) & M1129A (obsolete), John Deere JDM J20C, Allison C-4, Denison HF-0, HF-1, HF-2, Sauer Sundstrand, Sperry Vickers 1-280-S, M-2950-S, JIC 145/MS 1210, JIC 185/MS 1204, MS 1205, MS 1206, MS 1207, B6, Volvo Transmission Oil 97303 (WB101) and Caterpillar TO-2.		
Engen Agrivac	Mineral	VG 68		AFNOR NFE 48-690/1 (Dry & Wet), AFNOR NFE 48-603, DIN 51524 Part 2, SABS 1218-1984, Denison HF-1, HF-2 & HF-0, Denison T6C-020, Vickers I-286-S & M-2950-S (35VQ25)		
PETRONAS Tutela Brake Fluid LHM	Mineral			Iveco 18-1823 Classe 1, PSA-Citroen B71 2710, Fiat 9.55597, ISO 7308, Ensayos Inta - Une 26-090-88		



TWO-STROKE OILS

PRODUCT	BASE OIL TYPE	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Engen Two Stroke Super	Mineral	API TC		
Engen Two Stroke Selfmix	Mineral			
Engen Super Outboard TC-W3	Mineral	API TC-W3		



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INDUSTRIAL

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At Engen Lubricants, our mission is to work with you to develop customised holistic solutions which include proven product technology and business-enhancing services. Engen continues to push the boundaries of research and technology, to help you stay out in front.

We leverage our expertise and experience across many industries, but our focus is always the same – providing you with solutions that lead to improved operational outcomes, increased effectiveness and the reliability of your systems and processes.

Our lubricants are specifically developed to work where you work – in some of the toughest industries on Earth. From opencast to underground mining. Coal to Wind Turbines. Whether you're in the Cement, Pulp & Paper or Rail Industry, or in the business of rolling steel or refining sugar, our experts understand the way you work and the pressures you face.

For more information
please scan the QR code



The Fluidlink APM service offering is customised, scalable and tailored to meet each individual customer's needs and internal capabilities.

Fluidlink offers services ranging from:

- Adhoc reliability projects, discreet asset management services or needs based advisory services.
- Reliable onsite support with a hands-on Fluidlink team overseeing your asset condition management programme within your operating environment.
- A complete, end-to-end asset management programme that frees up your time so that you can focus on your core business.

OEM APPROVALS

HYDRAULICS: TQH



INDUSTRIAL SYNTHETIC GEARS: GENGEAR SPL A-SERIES



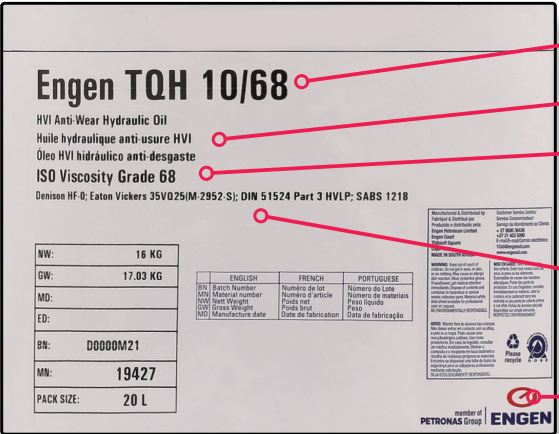
TURBINES: SUPERTURB SERIES



GAS ENGINES: GEO



WHAT'S ON THE LABEL



- Product Name
- Product Description
- Viscosity Grade
- Performance Levels
- Corporate Name

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AIR TOOL FLUIDS

PRODUCT	BASE OIL TYPE	ISO VG	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Gentool Series	Mineral	100, 150, 320	AFNOR NFE 48-690/1 (Dry & Wet); AFNOR NFE 48-603; ISO 11158 HV; GM LS-2; Eaton 03-401-2010 (supersedes Vickers I-286-S & M-2950-S); DIN 51524 Part III; Sauer Danfoss 520L0463; US Steel 126, 127 and 136; JCMAS HK; Parker Denison HF0/HF1/HF2; MAG IAS (Cincinnati Milacron) P-68/P-69/P-70	Recommended for use in pneumatic rock drills in both underground and surface mining and are suitable for both percussive and rotary type tools. Gentool 320 is intended for severe duty operations in open pit mines, quarries and contractor applications except in winter where a lower viscosity grade oil may be more suitable.	

ENERGY SAVING  MID TO LOW SAPS / LOW EMISSIONS  ENVIRONMENTALLY ACCEPTABLE LUBE (EAL)  ZINC FREE  FOOD GRADE 

QUALITY INDEX: PRESTIGE PREMIUM STANDARD



CHAINSAW LUBRICANTS

PRODUCT	BASE OIL TYPE	ISO VG	APPLICATION	QUALITY INDEX
Engen Chainsaw Lubricant MF	Mineral, Metal-Free	150	Designed for use in heavy duty industrial, forestry and alien clearing applications, but can also be used in light duty domestic applications. It is recommended for use in the latest generation of high speed / high power to weight ratio chain saws, running with chains speeds in excess of 20 m/s. Recommended for all makes of hand-held chain saws including Dolar, Echo, Husqvarna, Jonsereds, McCulloch, Partner and Stihl.	



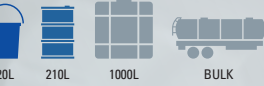
CHAIN OILS

PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Engen FoodPure Chain Series FGS	Synthetic	220, 320	NSF H1 Approved. Manufactured to ISO 9001:2015 and ISO 21469. Meets the requirements of FDA 21 CFR 178.3570. Halaal and Kosher certified.	Designed for chains on equipment and machinery in the food and clean industries operating at a wide temperature range. The lubricants have a high resistance to wear and load and have good water resistance. The additive package gives enhanced wetting and friction reducing properties and protection against wear and load. Suitable for all chain types, drives and sprockets, oil lubricated bearings and valves. Supports the requirements for HACCP and GMP programmes.	
Engen FoodPure Chain Spray FGS	Synthetic	220	NSF H1 Approved. Manufactured to ISO 9001:2015. Meets the requirements of FDA 21 CFR 178.3570. Halaal and Kosher certified.	Designed for chains on equipment and machinery in the food and clean industries and can also be used in applications operating at extremely high temperatures. The lubricant has high resistance to wear and load and has good water resistance. It is ideal for applications where high temperatures prevail such as oven chains. The additive package gives enhanced wetting and friction reducing properties and protection against wear and load. Suitable for high temperature oven chains, all chain types, drives and sprockets, oil lubricated bearings and valves. Supports the requirements for HACCP and GMP programmes.	



CIRCULATION OILS

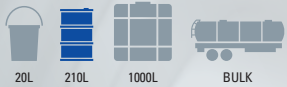
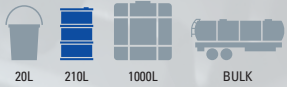
PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Gencirc SPL A-Series	Synthetic, PAO	32, 68	ISO L-CKD (ISO 12925-1:1996), ISO VG 150, 220 & 320		Recommended for use in bearings and industrial gears where operating or bulk oil temperatures are such that conventional lubricants give unsatisfactory service life and/or result in high maintenance costs for frequent system cleaning and lubricant changes. Can also be used for plain or rolling element bearings and for both open and enclosed gear sets and are suitable for application by bath, splash or circulation systems	
Engen Gencirc	Mineral	32, 46, 68, 100			Recommended for the lubrication of plain and rolling element bearings, slides, journals and lightly loaded gearboxes where circulation oil is required. They are also recommended for circulation systems of turbines with or without associated gearboxes (provided EP is not required), bearings, compressors, vacuum pumps, hydraulic and hydraulic control systems not requiring anti-wear hydraulic fluids, fluid couplings, numerically controlled machine tools etc., particularly when turbine quality oils are needed.	
Engen Gencirc 150	Mineral	150			Intended primarily for continuous re-circulation where design factors and maintenance ensure low leakage losses. Specialized uses include hydraulic systems, certain marine steam turbines as well as their associated reduction gears. Circulation oil applications include, ring, collar and chain-oiled bearings, splash oiling and bath systems. It also find application in bearings and industrial enclosed spur or bevel gears, provided EP is not required and is suited to the lubrication of antifriction bearings of paper mill dryer rolls, plastic film calendars. Approved by Transnet for the lubrication of the friction (plain bearing) bearings in axle boxes as found on certain rail wagons, in place of Axle Oil 150.	



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CIRCULATION OILS

PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Gencirc 220	Mineral	220			Intended primarily for continuous re-circulation where design factors and maintenance ensure low leakage losses. Circulation oil applications include, ring, collar and chain-oiled bearings, splash oiling and bath systems. It also find application in bearings and industrial enclosed spur or bevel gears, provided EP is not required and is suited to the lubrication of antifriction bearings of paper mill dryer rolls, plastic film calendars. Approved by Transnet for the lubrication of the friction (plain bearing) bearings in axle boxes as found on certain rail wagons, in place of Axle Oil 150.	
Engen Gencirc 320	Mineral	320			Intended for continuous use in circulation lubrication systems incorporating plain and rolling element bearings as well as for moderate duty gear applications. It has provided excellent performance in paper machine bearing lubrication systems where an ISO 320 viscosity grade product is required. It is equally suitable for bearing lubrication on plastic film calendars and paper corrugators.	
Engen Gencirc TQ 320	Mineral	320			Intended for continuous use in circulation lubrication systems incorporating plain and rolling element bearings as well as for moderate duty gear applications. It has provided excellent performance in paper machine bearing lubrication systems where an ISO 320 viscosity grade product is required. It is equally suitable for bearing lubrication on plastic film calendars and paper corrugators.	
Engen Gencirc PMO 220	Mineral	220		Voith VN 108 Wet End – April 2012, Voith VN 108 Dry End – April 2012, Voith VN 108 Press Rolls – April 2012, SKF Dry End – 2006/11/10 (version 2), Metso RAU4L00659 Wet End 29/11/2012 (revision 7), Metso RAU4L00659 Dry End 29/11/2012 (revision 7)	Recommended for use in modern, high output paper machines, where high steam temperatures and pressures, and high machine speeds are common. It is particularly suited to the lubrication and wear protection of paper machine gear trains and the antifriction bearings of drying cylinders, plastic film calendars and paper corrugators where its high resistance to the formation of harmful deposits produces outstanding benefits.	
Engen Genmill 460	Mineral	460		Danieli code 0.597657.B Type 24	Recommended for all types of Morgan No-Twist Rod Mill circulation systems for bearings, gears, adjustable screws, shafts and all housing systems, and circulation systems for back-up roll bearings of rolling mills. Genmill 460 is recommended for aluminium and copper Morgan No-Twist Mills	



COMPRESSOR FLUIDS

	PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Air Compressor Fluids	Engen Genair	Mineral	46, 68, 100	Meets the stringent DIN 51506 VD-L requirements, meet the Pneurop Oxidation Test (DIN 51352-2) and the low volatility requirements as measured in DIN 51356.	Recommended for use in pneumatic rock drills in both underground and surface mining and are suitable for both percussive and rotary type tools. Gentool 100 is ideal for use in mines because of its anti-fog characteristics and severe duty applications at medium temperatures.	
	Engen Genair SPL R	Synthetic, Di-Ester	100, 150	Meets the stringent DIN 51506 VD-L requirements	Recommended for use in pneumatic rock drills in both underground and surface mining and are suitable for both percussive and rotary type tools. Gentool 150 is recommended for severe duty at high temperatures.	
	Engen Genair SPL S	Synthetic, PAO	46, 68	Meets the stringent DIN 51506 VD-L requirements	Recommended for use in pneumatic rock drills in both underground and surface mining and are suitable for both percussive and rotary type tools. Gentool 320 is intended for severe duty operations in open pit mines, quarries and contractor applications except in winter where a lower viscosity grade oil may be more suitable.	
Food Grade Air Compressor Fluids	ENGEN FoodPure Compressor FGS	Semi Synthetic	46, 68, 100	NSF H1 Approved. Manufactured to ISO 9001:2015 and ISO 21469. Meets the requirements of FDA 21 CFR 178.3570. Halaal and Kosher certified. Meet or exceed the requirements of ISO-L-HV (according to ISO 6743-4) and HLP (to DIN 51524-2)	Recommended for use in oil-flooded rotary screw compressors, centrifugal compressors and other applications requiring an oxidation resistant lubricant.	



COMPRESSOR FLUIDS

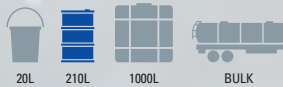
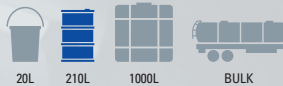
Refrigeration Compressor Fluids

PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Engen Genfreeze SPL P-68	Synthetic, PAO	68		Recommended for rotary and reciprocating refrigerator compressors, heat pumps, vacuum pumps and other machinery operating at sub-zero temperatures. It is suitable for all refrigerants except HFC – 134a and sulphur dioxide systems.	
Engen Genfreeze 68	Mineral	68		Recommended for the lubrication of both reciprocating and rotary refrigeration compressors in all types of systems and is miscible with all refrigerants except sulphur dioxide (where technical white oils are normally used) and HFC - 134a. Can be used in certain hydraulic systems. Although the primary use of Genfreeze 68 is for refrigeration compressors, there are other, mainly low temperature applications where this oil is fully suitable because of its low pour point.	



GAS ENGINE OILS

PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
PETRONAS GEO NG	Natural Gas	40	Caterpillar 3500 and 3600 series, GE Jenbacher Class A & B gases, Type 2, 3, 4 and 6 engines, Guascor, MAN, MTU, MWM TR-0199-99-2015, Wartsila and Waukesha	Recommended for use in medium to high speed four-cycle engines requiring a low ash oil, engines experiencing valve face and seat wear. Also recommended for lean-burn and stoichiometric four-cycle engines and engines equipped with catalytic converters, as well as applications using alternate fuels containing low levels of sulfur or chlorine	
PETRONAS GEO BLG 40	Bio & Landfill Gas	40	GE Jenbacher Class B & C gases, Type 2, 3, 4 and 6 engines; Waukesha; MAN (M3271-4)	Recommended for use in: landfill gas engines containing moderate levels of halogens, siloxanes and sulphur, spark ignited four-stroke cycle gas engines where low oil consumption is required, high output landfill gas engines operating at or in excess of rated capacity under high temperatures."	



INDUSTRIAL GEAR OILS

Industrial Gear Oils

PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Gengear SPL PG	Synthetic, PAG	150, 220, 320, 680	DIN 51517-3	David Brown Type G lubricant; Flender BA 7300 A + B	Suitable for all types of plain and anti-friction bearings and all types of enclosed industrial gears, especially where high temperatures and high loads are met. Typical applications include automotive worm gear axle drives, heavily loaded industrial worm gears, high temperature bearings in plastic calendars and paper making machinery, heavily loaded bearings in rolling mills, crushers and mining machinery.	
Engen Gengear SPL A	Synthetic, PAO	150, 220, 320, 460, 680	DIN 51517-3; ANSI/AGMA 9005 (Table 3)	Approved by: Siemens (Flender) as a High Micropitting Resistant Lubricant; FLSmidth; GE Transportation D50E 35-S1 (OHV A-E); Sumitomo Drive Technologies, Hansen Gearboxes; AISE 224 (formerly USS 224); DIN 51517 part 3; David Brown S1.53.101. Renk ZAN 36011 Industrial Gear Oil Specification	Particularly suited to applications in which extreme service conditions are experienced. Gengear SPL A-Series lubricants are recommended for applications requiring high micropitting resistance, systems operating at high or low temperatures, or where savings in energy consumption are desired.	
Engen Gengear SPL A-1000	Synthetic, PAO	1000	DIN 51517-3; ANSI/AGMA 9005 (Table 3)	AISE 224 (formerly USS 224); DIN 51517 part 3; David Brown S1.53.101.	Particularly suited to heavily loaded, slow moving, gear applications requiring a high oil viscosity in which extreme service conditions are experienced. It is also suitable for use in plain, rolling element and antifriction bearings. Gengear SPL A-1000 lubricant is recommended for applications requiring high micropitting resistance or where savings in energy consumption are desired	
Engen Gengear SPL 6800	Synthetic, PAO	6800	DIN 51517-3	GE Approval Pending for DC Traction Motor Gear Units	Recommended for use in all types of enclosed steel-on-steel gear drives. It is suitable for both circulation and splash lubrication systems. It is particularly recommended for gear sets operating under heavy or shock loads and low speeds where boundary lubrication may occur. Applications may include enclosed spur, helical and bevel gears, plain and rolling element bearings, especially in slow speed, and/or high load applications, Railroad Traction Motor gear drives and open gear applications.	
Engen Gengear XEP	Mineral	150, 220, 320, 460	AGMA 9005-E02 4EP; DIN 51517 -3: 2009-06; ISO 12925-1 Type CKD150	Siemens T 7300, Table A-1, Revision 13, Flender Code No.: A16; RENK ZAN 36011 Industrial Gear Oil Specification (approval)	Recommended for all industrial helical and spur enclosed gear sets with circulation or splash lubrication systems. They can be used in moderately loaded worm type gear sets.	
Engen Gengear	Mineral	68, 100, 150, 220, 320, 460, 680	DIN 51517-3		Recommended for industrial enclosed gear sets with circulation or splash lubrication systems operating at no more than 110 °C bulk oil temperature..Non-gear applications for Gengear oils include shaft couplings, screws and heavily loaded bearings operating at slow speeds	



QUALITY INDEX: ● PRESTIGE ● PREMIUM ● STANDARD

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INDUSTRIAL GEAR OILS

	PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Food Grade Gear Oils	ENGEN <i>FoodPure</i> Gear FGS	Synthetic, PAO	100, 150, 220 320, 460, 680	NSF H1 Approved. Manufactured to ISO 9001: 2015 and ISO 21469. Meets the requirements of FDA 21 CFR 178.3570. Halaal and Kosher certified.		Recommended for gearboxes and gear systems in the food and clean industries operating at wide temperature ranges. The lubricants have high resistance to wear and load. The additive package gives enhanced corrosion protection properties. Applications include: all gearbox types, gears for conveyors, agitators, mixers and fillers, extrudersand high loaded oil lubricated bearings.	
	Engen Gengear SPL A-320 WT	Synthetic, PAO	320	DIN 51517-3; ANSI/AGMA 9005 (Table 3)	AGMA 9005-F16. AIST 224. Renk; David Brown S1.53.101 Type E; Flender. DIN 51517-3; Hansen	Heavy-duty synthetic gear oil designed, to provide superior performance in wind turbine gear and bearing applications. Formulated from polyalphaolefin (PAO) base stocks, this provides performance greatly superior to conventional petroleum oils. Together with the global additive technology, the product provides excellent resistance to micropitting as well as frictional reducing characteristics that allow for lower energy consumption.	



HEAT TRANSFER OILS

	PRODUCT	BASE OIL TYPE	ISO VG	APPLICATION	QUALITY INDEX
	Engen Genheat	Mineral	22, 32	Recommended for use as general purpose lubricants in equipment operating under lightly loaded or wasteful conditions, e.g. as a flushing oil for cleaning out circulation systems and oil reservoirs during oil change-over procedures. Typical applications include conveyors, chains, and outdoor machinery. Used as heat exchanger medium in closed systems operating at temperatures up to 300 °C.	



HYDRAULIC FLUIDS

	PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Energy Saving	Engen Hydrokin ESF	Semi-Synthetic Energy Saving Fluid	46, 68	DIN 51524 Part 3	AFNOR NFE 48-690/1 (Dry & Wet); AFNOR NFE 48-603; ISO 11158 HV; GM LS-2; Eaton 03-401-2010 (supersedes Vickers I-286-S & M-2950-S); Sauer Danfoss 520L0463; US Steel 126, 127 and 136; JCMAS HK; Parker Denison HF0/HF1/HF2; MAG IAS (Cincinnati Milacron) P-68/P-69/P-70.	Recommended for industrial high pressure hydraulic systems using pumps and motors of all designs on mobile and stationary equipment as well as in hydrostatic transmissions operating under the most severe conditions. The variety of possible applications includes construction, agriculture, mining and marine.	
	Engen Genhyd SPH 50/46	Mineral, Ashless Technology	46	DIN 51524 Part 1,2 & 3	Eaton Vickers I 286-S, M-2950-S; Denison HF-0, HF-1, HF-2; Cincinnati Machine P-70; General Motors LH-04 & LH-06.	Recommended for use in industrial hydraulic systems and also in other industrial applications where high quality oils are required. These include circulation systems and machine tools where high oxidation stability, anti-wear properties and high filtration speeds are of importance.	
High Viscosity Index (HVI)	Engen TQH 10	Mineral	15, 32, 46, 68, 100	DIN 51524 Part 3	AFNOR NFE 48-690/1 (Dry & Wet); AFNOR NFE 48-603; ISO 11158 HV; GM LS-2; Eaton 03-401-2010 (supersedes Vickers I-286-S & M-2950-S); Sauer Danfoss 520L0463; USSteel 126, 127 and 136; JCMAS HK; Parker Denison HF0/HF1/HF2; MAG IAS (Cincinnati Milacron) P-68/P-69/P-70.	Recommended for Industrial high pressure hydraulic systems using pumps and motors of all designs on mobile and stationary equipment as well as in hydrostatic transmissions, operating under the most severe conditions. The variety of possible applications includes construction, agriculture and mining. Also recommended for local marine applications whenever low ambient temperatures or relatively rapid changes from low to high ambient temperatures are encountered.	
	Engen TQH 20	Mineral	32, 46, 68, 100, 150	DIN 51524 Part 2	AFNOR NFE 48-690/1 (Dry & Wet); AFNOR NFE 48-603; ISO 11158 HM; GM LS-2; Eaton 03-401-2010 (supersedes Vickers I-286-S & M-2950-S); Sauer Danfoss 520L0463; US Steel 126, 127and 136; JCMAS HK; SABS 1218-1984; Parker Denison HF0/HF1/HF2; MAG IAS (Cincinnati Milacron) P-68/P-69/P-70.	Recommended for use in hydraulic systems, in industrial, marine and mobile service, particularly where the manufacture specifies the use of anti-wear hydraulic fluids to cater for highly stressed pumps delivering large volumes at high pressures and temperatures. Also suitable for many circulation, splash, bath and ring oiling systems feeding lubricant to gears and bearings of industrial machinery.	



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HYDRAULIC FLUIDS

Fire Resistant

Food Grade

PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Petrofer Envolubric HE 46	Synthetic Ester	46			Suitable for high temperatures in hydraulic systems and offers a significantly higher level of safety than common hydraulic oils due its properties and is easily biodegradable.	
Engen Genhyd WG 46	Water Glycol	46	Meets the 7th Luxemburg Report specifications		Suitable for use in place of anti-wear mineral oil based hydraulic oils in equipment where the risk of fire exists and where this type of fluid is recommended by equipment manufacturers.	
ENGEN FoodPure Fluid FG	White Oil	15, 22, 32 46, 68, 100	NSF H1 Approved. Manufactured to ISO 9001: 2015 and ISO 21469. Meets the requirements of FDA 21 CFR 178.3570. Halaal and Kosher certified. Meet or exceed the requirements of ISO-L-HV (according to ISO 6743-4) and HLP (to DIN 51524-2).		Engen FoodPure Fluid series is designed for hydraulic and circulating systems in the food and clean industries operating at wide temperature ranges. The lubricants have high resistance to wear and load normally experienced in hydraulic systems. The additive package gives enhanced corrosion protection properties. Products are NSF H1 Registered for incidental food contact, Halaal Certified, Kosher Certified, manufactured to ISO 9001:2015 and ISO 21469 and meet the requirements of FDA 21 CFR 178.3570.	



METAL WORKING FLUIDS

PRODUCT	BASE OIL TYPE	ISO VG	APPLICATION	QUALITY INDEX
Engen Gensol B	Semi-synthetic		General purpose cutting/grinding fluid that when used in the proper solution is suitable for a wide range of cutting and grinding operations including automatic machines on both ferrous and non ferrous metals.	
Engen Gensol GP	Mineral		Can be used for machining all types of ferrous and non-ferrous metals in light to medium duty applications. Machining technologies include turning, milling, boring, forming, sawing, tapping, reaming, broaching, thread rolling, screw cutting, gear shaping, shaving and hobbing, form and thread milling as well as grinding. In certain cases it can also be used as a straight cutting oil to provide greater precision or a better metal finish. Other applications include its use as a lubricant on lightly loaded gears and bearings or as a hydraulic fluid.	
Engen Gencut CS 46	Mineral	46	Recommended for difficult to machine metals particularly in gear shaping, hobbing and various other operations. It is recommended for tough and draggy as well as hard brittle materials. Can also be used with non-ferrous materials – where staining can be tolerated.	



MOULD RELEASE OILS

PRODUCT	BASE OIL TYPE	APPLICATION	QUALITY INDEX
Engen Semcrete OLF 50	Mineral	Engen Semcrete OLF 50 can be used neat or as an emulsion on moulds and shuttering made from timber, plywood or metal.	
Engen Semcrete OLF 100	Mineral	Engen Semcrete OLF 100 can be used neat or as an emulsion on moulds and shuttering made from timber, plywood or metal.	
Engen Semcrete AR	Mineral	Engen Semcrete AR is an oily, ready-to-use, mould release agent, with special anti-rust properties. It is recommended for use in production of fibre cement products such as roof sheeting (flat and IBR type), garden pots, pipes and similar other applications and is efficient with all types of curing. This non-staining mould oil provides a thin, rust preventing film for easy release on various types of moulds (such as cast iron, mild steel or Aluminium).	



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OPEN GEAR & WIRE ROPE LUBRICANTS

ENERGY SAVING

MID TO LOW SAPS / LOW EMISSIONS

ENVIRONMENTALLY ACCEPTABLE LUBE (EAL)

ZINC FREE

FOOD GRADE

QUALITY INDEX: ● PRESTIGE ● PREMIUM ● STANDARD

PRODUCT	BASE OIL TYPE	APPLICATION	QUALITY INDEX
Engen WRL 2	Bitumen-based	Scraper Ropes - Heated bulk or drums (needs pre-melting).	●
Engen Genstic M	Bitumen with Solvent	Designed primarily for open gears and is recommended for services ranging from small, lightly loaded open gears of machine tools or small presses to heavily loaded gears such as those of cement and other rotary mills, draglines, shovels, plastic or rubber mills and large presses. This product finds application at high temperatures, heavy loads and low speeds. It is recommended for marine open gears and also as a wire rope dressing. It is often used on truck fifth wheels in place of grease.	●
Engen Gendip 4600	Bitumen-based	Open gear lubricant and recommended for use in slush pans and open reservoirs.	●
Engen OGL	Compound	Ideally suited for application in slow and medium speed, heavily loaded open gears and pinions of all sizes such as those found in tube mills, rail car tipplers and draglines. It can be used in any application where very heavy loads are experienced and a heavy duty, adhesive lubricant is required.	●
Engen Compound CM 12s	Compound	Ideally suited for application onto open gears and pinions of all sizes such as those found on Ball Mills, Tube Mills, etc. It can be used in any application calling for a heavy duty lubricant where high loads are experienced. It is also used in the following applications: drag lines, swing racks, centre pintles, hoist and drags, roller circles, propel and walking cam slides. It has Torrington approval for use in swing rack gearboxes.	●
Engen Genspec SM-9	Compound	Loading encountered in many mills and crusher roll bearings and reduction gears, due to high milling speeds and greater crushing pressures, are often considerably above the original design capacity of the equipment. Genspec SM-9 has been formulated to meet these conditions	●
Engen Genspec SM Clear	Synthetic	Genspec SM Clear has a low pour point property which allows for easier handling of the product and can therefore be applied manually or be pumped and sprayed through automatic lubrication systems. The product is specifically designed for use on the following equipment in the sugar industry: Journal Bearings, Crown Wheels, Reduction Gears Gear application possibilities are not restricted, neither by gear sizes nor power ratings. Genspec SM Clear will bring the below advantages and benefits to large girth gear and open gear applications found in the cement, mining, chemical industries, paper production, power plants as well as marine and offshore technology.	●

20L

210L

BULK

20L

210L

BULK

20L

210L

BULK

20L

210L

BULK

20L

210L

BULK

20L

210L

BULK

PROCESS OILS

PRODUCT	BASE OIL TYPE	ISO VG	APPLICATION	QUALITY INDEX
Engen Parprol Series	Paraffinic based process oil	22, 32, 68, 150, 460	Process oil for natural, SBR and butyl rubber, Softener for leather, Plasticiser for ethyl cellulose, Ink oil, Textile batching oil, Rope dressing, Adhesives, Rubber extenders, Plasticizers, Cable compounds.	●

210L

1000L

BULK

PTFE SPRAY

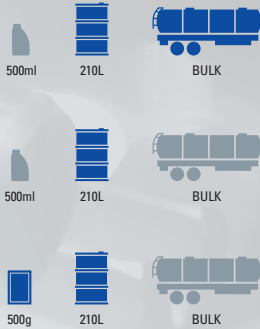
PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Engen <i>FoodPure</i> PTFE Spray FGS	Dry film lubricant		NSF H1 Approved. Manufactured to ISO 9001:2015. Meets the requirements of FDA 21 CFR 178.3570. Halaal and Kosher certified.	Designed for all applications where a dry film lubricant is required in the food and other clean industries such as cosmetics and the pharmaceutical industry. It is a non-stick dry film lubricant with excellent temperature resistance. It is an ideal lubricant to use where wet lubricants are not suitable. FOODPURE DRY PTFE SPRAY FG will not cause stress cracking in plastics and will not pick up dust and dirt. Suitable for powder and dry foods production lines, multipurpose light dry film lubrication, packaging machines, linkages, pins, cams, followers, slideways and chutes (packaged good lines) and chains.	●

400ml

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RAILWAY LUBRICANTS

PRODUCT	BASE OIL TYPE	SAE GRADE	INDUSTRY STANDARD	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Genrail 1354 LL	Mineral, Zinc-free	20W-40	Generation 7	General Electric as well as Progress Rail (formerly known as EMD), MTU	Fully approved for use in General Electric and General Motors-EMD locomotive and marine diesel engines requiring a LMOA Generation 5 lubricant. It is extensively used by major Railroads in Sub-Saharan Africa.	Zn Free
Engen Journal Oil 57	Mineral			Meets the General Electric D50E14 and the Association of American Railroads (MR) M-963 specifications	Used mainly to lubricate the railcar journal bearings and traction motor suspension bearings.	
Engen Gear Compound 5	Bitumen-based				Engen Gear Compound Five is the “hardest” of the Engen Gear Compound range and is intended for use in the more heavily loaded locomotives gearboxes.	



SLIDE & WAY OILS

PRODUCT	BASE OIL TYPE	ISO VG	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Genway 68	Mineral	68	Cincinnati Machine specification P-47	Outstanding boundary lubricant recommended for the lubrication of spur, bevel, worm and hypoid gears in many machine tools as well as hydraulic systems, headstocks and similar machine tool applications. Genway 68 is generally recommended for ways on small to medium size machine tools, as well as for flood application in large machines.	
Engen Genway 220	Mineral	220	Cincinnati Machine specification P-50	Outstanding boundary lubricant recommended for the lubrication of spur, bevel, worm and hypoid gears in many machine tools as well as hydraulic systems, headstocks and similar machine tool applications. Genway 220 is the normal recommendation on large machines where way pressures are high or extreme precision is required and for vertical and inclined slideways where drain down can be a problem.	



SPINDLE OILS

PRODUCT	BASE OIL TYPE	ISO VG	APPLICATION	QUALITY INDEX
Engen Genspin 10	Mineral	10	Recommended for the lubrication of high speed spindle bearings on grinders and other machine tools requiring a low viscosity oil. It provides excellent lubrication of both plain and anti-friction bearings at all ranges of spindle speeds. Genspin 10 is also recommended for high speed bearings, both plain and anti-friction on textile machines. In addition, Genspin 10 has proved very satisfactory in hydraulic systems where a light bodied oil is required.	



STEAM CYLINDER OILS

PRODUCT	BASE OIL TYPE	ISO VG	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Gencyl 460	Mineral	460	Meets the requirements of David Brown grade 7 and Crofts grade G	Recommended where heavy loads, slow speeds and high temperatures demand a high viscosity lubricant in bearings and enclosed gear sets. It is recommended for steam engine applications where the saturated and superheated steam is heated to below 260 °C. Gencyl 460 is also the prime recommendation for worm gearboxes where its excellent lubricity provides protection against wear.	
Engen Gencyl 1000	Mineral	1000		Recommended for superheated steam engine applications above 260 °C and is suitable for worm gearboxes operating at slow rubbing speeds up to 1,2 m/s. Gencyl 1000 oil is used where heavy loads, slow speeds or high temperatures justify a high viscosity oil in bearings and enclosed gears. In worm gearboxes, in particular, its lubricity provides excellent protection against wear.	



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TRANSFORMER OILS

ENERGY SAVING

MID TO LOW SAPS / LOW EMISSIONS

ENVIRONMENTALLY ACCEPTABLE LUBE (EAL)

ZINC FREE

FOOD GRADE

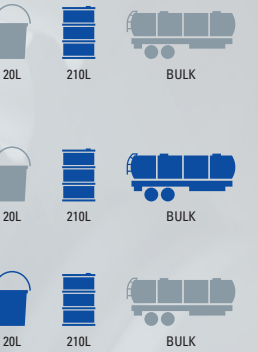
QUALITY INDEX: ● PRESTIGE ● PREMIUM ● STANDARD

PRODUCT	BASE OIL TYPE	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Engen Poweroil TO 1020 (60U)	Uninhibited transformer oil	IEC60296:2020 Edition 5.0 Standard Specification, Eskom specification 32-406, Eskom specification 240-75661431, NRS 079-1:2004 and SANS 555:2007 specifications.	Suitable for filling most types of transformers and switchgear	●
Engen Poweroil TO 1020 (60UX)	Inhibited transformer oil	IEC60296:2020 Edition 5.0 Standard Specification, Eskom 32-406, Eskom specification 240-75661431, NRS 079-1:2004 and SANS 555:2007 specifications	Suitable for filling most types of transformers and switchgear	●



TURBINE OILS

PRODUCT	BASE OIL TYPE	ISO VG	INDUSTRY SPECIFICATION	OEM SPECIFICATION	APPLICATION	QUALITY INDEX
Engen Superturb 32	Mineral Based, Ashless Technology	32	GEK 32 568 E; DIN 51524 Part 1 (HL); DIN 51515 Part 1 (L-TD); BS489 (CIGRE); Solar ES 9-224W	Siemens TLV 901304 and TLV 901305	Engen Superturb Series is recommended for the lubrication of steam, water and gas turbines with or without gear units. It may also be used on auxiliary steam turbine equipment such as, generators, air compressors, vacuum pumps.	● Zn Free
Engen Superturb 46	Mineral Based, Ashless Technology	46	GEK 32 568 E; DIN 51524 Part 1 (HL); DIN 51515 Part 1 (L-TD); BS489 (CIGRE); Solar ES 9-224W	Alstom HTGD 90-117 (OEM approval – ISO VG 46 Grade); Siemens TLV 901304 and TLV 901305 (OEM approval – ISO VG 46 Grade)	Engen Superturb Series is recommended for the lubrication of steam, water and gas turbines with or without gear units. It may also be used on auxiliary steam turbine equipment such as, generators, air compressors, vacuum pumps.	● Zn Free
Engen Superturb 68	Mineral Based, Ashless Technology	68	GEK 32 568 E; DIN 51524 Part 1 (HL); DIN 51515 Part 1 (L-TD); BS489 (CIGRE); Solar ES 9-224W	Siemens TLV 901304 and TLV 901305	Engen Superturb Series is recommended for the lubrication of steam, water and gas turbines with or without gear units. It may also be used on auxiliary steam turbine equipment such as, generators, air compressors, vacuum pumps.	● Zn Free



UTILITY PRODUCTS

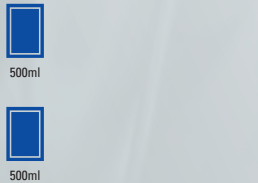
Degreasing Fluids

PRODUCT	BASE OIL TYPE	APPLICATION	QUALITY INDEX
Engen Degreaser EF	Water Based	Particularly suited to degreasing of industrial and automotive machinery components and general cleaning in engineering workshops and service bays.	●
Engen Tekprol 131	Solvent Based	Tekprol 131 is a most effective and economical degreasing agent for industrial machinery, cleaning new components after storage, automotive engine cleaning and many other industrial and fleet applications.	●
Engen Engine Cleaner	Solvent Based	Engine Cleaner is a most effective and economical degreasing agent for all automotive applications from passenger motor vehicles to commercial fleets and construction equipment. Its unique solvency ensures engines are thoroughly cleaned, wheel rims shining as well as motorcycle chain applications.	●



Service Fluids

PRODUCT	BASE OIL TYPE	APPLICATION	QUALITY INDEX
Engen True Grit Handcleaner		Particularly suited to degreasing of industrial and automotive machinery components and general cleaning in engineering workshops and service bays.	●
Engen Petrolatum White		Tekprol 131 is a most effective and economical degreasing agent for industrial machinery, cleaning new components after storage, automotive engine cleaning and many other industrial and fleet applications.	●



Packaging

PRODUCT	BASE OIL TYPE	APPLICATION	QUALITY INDEX
Plastic Drum Kit		To fit a 20L plastic drum	●



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GREASES

CONTENT:

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INDUSTRIAL GREASES	36 - 40
• FOOD GRADE GREASES	40 - 42
MULTIFUNCTIONAL GREASES	42 - 44
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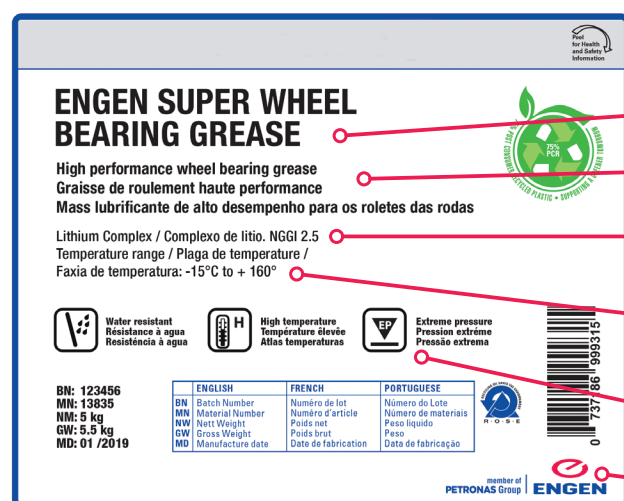
Engen lubricants has a comprehensive grease range which has been developed to meet our customer's needs. The range includes multipurpose greases that simplify your product inventory, as well as greases specifically designed for various industrial applications. Our range of greases cover all applications including extreme temperature, high speed, extreme pressure, heavy loads including open-gear applications.

Engen's grease range covers both the Automotive and Industrial sectors including mining, construction, pulp & paper, power generation, wind turbine, food & beverage and general manufacturing. Talk to our grease experts to find the correct product that will deliver optimum value to your business by providing enhanced wear protection and extending equipment life.

For more information please
scan the QR code



WHAT'S ON THE LABEL



Product Name

Product Description

Grease Thickener

Operating Temperature Range

Application Icons

Corporate Name

Look out for our 100% PCR pails

COMPATIBILITY CHART

THICKENER	Aluminium Complex	Barium Complex	Hydrated Calcium	Anhydrous Calcium	Calcium Complex	Calcium Sulphonate Complex	Clay	Lithium	Lithium Complex	Polyurea	Sodium
Aluminium Complex	✓	●	✗	✓	●	✗	✗	✗	✓	●	✗
Barium Complex	●	✓	●	●	✗	●	●	●	●	●	✓
Hydrated Calcium	✗	●	✓	✓	✓	✓	●	●	✓	●	●
Anhydrous Calcium	✓	●	✓	✓	●	●	✓	✓	✓	✗	✗
Calcium Complex	●	✗	✓	●	✓	✓	●	●	●	✓	●
Calcium Sulphonate Complex	✗	●	✓	●	✓	✓	✗	✓	✓	✓	✗
Clay	✗	●	●	✓	●	✗	✓	●	✗	●	●
Lithium	✗	●	●	✓	●	✓	●	✓	✓	●	✗
Lithium Complex	✓	●	✓	✓	●	✓	✗	✓	✓	●	●
Polyurea	●	●	●	✗	✓	✓	●	●	●	✓	●
Sodium	✗	✓	●	✗	●	✗	●	✗	●	●	✓

BASE OIL	Ester	Mineral Oil	Polyalpha-olefin	Polyglycol	PFPE	Poly-phenyl-ether	Silicone: Methyl	Silicone: Phenyl
Ester	✓	✓	✓	✓	✗	●	✗	✓
Mineral Oil	✓	✓	✓	✗	✗	●	✗	●
Polyalphaolefin	✓	✓	✓	✗	✗	●	✗	●
Polyglycol	✓	✗	✗	✓	✗	✗	✗	✗
PFPE	✗	✗	✗	✗	✓	✗	✗	✗
Polyphenylether	●	●	●	✗	✗	✓	✗	✓
Silicone: Methyl	✗	✗	✗	✗	✗	✗	✓	●
Silicone: Phenyl	✓	●	●	✗	✗	✓	●	✓

KEY:

✓ Compatible

● Requires Testing

✗ Incompatible

OEM APPROVALS



Mercedes-Benz

VOLVO

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PRODUCT	THICKENER	OPERATING TEMPERATURE RANGE	NLGI	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Engen Grease GP	Mineral, Lithium	-12°C to +130°C	2	DIN 51502, KP2K-20 - Grease GP	Recommended for general automotive applications such as wheel bearings, steering fittings, grease cups and water pump bearings.	●
Engen Grease SP	Mineral, Lithium	-12°C to +130°C	2	DIN 51502, KP2K-20 - Grease GP	Particularly suitable for applications involving oscillating or limited relative motion and where fretting corrosion is likely to occur. Such applications include chassis lubrication and grease lubricated universal joints (CV Joints).	●
Engen Super Wheel Bearing Grease	Mineral, Lithium Complex	-15°C to +160°C	2,5	DIN 51502, KP2.5N-20	Designed for use under severe operating conditions, recommended for use in rolling element bearings, especially wheel bearings where high cyclic stresses and shock loading are encountered and the heavy use of disc brakes generate high operating temperatures. It is also recommended for the lubrication of boat trailer wheel bearings in both fresh water and salt water environment and may also be used for general automotive applications such as steering and chassis fittings, grease cups and water pump bearings.	●
Engen Resista SCF Grease	POA Synthetic, Lithium	-40°C to +100°C	00	Approvals for MAN 283 Li-P 00/000; MB 264.0; Willy Vogel AG (Lubrication systems) DIN 51502, KPHC00G-40	Multipurpose grease, which can be used in various applications within given temperature limits. The consistency, and especially the base oil type and viscosity of the product make it suitable for use in centralised lubrication systems of “Willy Vogel AG”, for which this product carries the approval.	●
Engen Resista Loadplex	Mineral, Lithium Complex	-30°C to +150°C	2	Approval for MAN 284; MB-Approval 265.10; VOLVO STD 1277.18 and 1277.2 lubricating grease 97718 and 97220, respectively; Proven performance in Scania trucks, DIN 51502, KP2N-20	Recommended for use in all general purpose automotive and chassis applications. It is particularly suitable for lubricating of roller and anti-friction bearings under extreme pressure load at high temperature. It is specifically recommended for wheel bearing and prop shaft lubrication of commercial / utility vehicles and passenger motor cars.	●



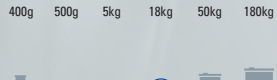
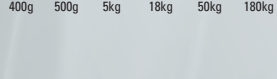
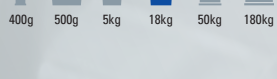
INDUSTRIAL GREASES

PRODUCT	THICKENER	OPERATING TEMPERATURE RANGE	NLGI	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Engen Aqualube 400C	Mineral, Calcium	Maximum operating temperature of +60°C	0/00	DIN 51502, KF00D-20	Developed for the lubrication and corrosion protection of pneumatic percussion rockdrills as used in mining operations. Engen Aqualube 400C is suitable for all mining rockdrill operating conditions this includes winter and summer.	●
Engen Gengrease HT 41M	Mineral, Organophylic Bentonite	-9°C to +170°C	1	DIN 51502, KF1N-20	Enjoys an excellent reputation in the lubrication of high temperature applications where conventional soap thickened products are not viable. Recommended for the lubrication of plain and antifriction bearings operating continuously in the 150 to 170 °C range or under conditions where bearings are repeatedly cycled from normal ambient temperatures to the range encountered in equipment such as oven conveyors chain bearings, kiln car wheel bearings and paper mill driers and corrugators. It is also used in glass manufacture conveyer belt roller bearings and cams, ways and other sliding machine elements.	●
Engen Gengrease SPL 2HT	PAO Synthetic, Organophylic Bentonite	-40 °C up to 180 °C	2	DIN 51502, KP2N-40	Recommended for wide temperature range, multi-service applications in plain and anti-friction bearings, wheel bearings, gears, slides, cams and other services where friction reduction and low wear is required. It is particularly suitable for hot electric motors, fans and bearings in paper mill and plastics production equipment. In sub-zero temperature service it finds application in freezer plants and outdoor mobile equipment.	●
Engen Premium 0	Mineral, Lithium	-30°C to +110°C	0	Meets Concawe DPD required guidelines, DIN 51502, K0K-30	Recommended for use in place of conventional gear oils in leaking gear cases on virtually all types of underground mining machinery. Specific applications include head gearboxes, cutter heads, oscillating arms, pots or gathering head drives, pump cases etc. It can also be used in many other industrial applications where conventional oils cannot be retained in gear cases, chain cases, etc.	●
Engen Premium 3	Mineral, Lithium	-12°C to +130°C	3	DIN 51502, K3K-30 Exceeds SABS 1851 Grease Specification and meets Concawe DPD required guidelines	Recommended for anti-friction bearings including the rotating outer race and vertical shaft configurations, but can also be used in plain bearings up to 3600 r/min., machine tools and a variety of marine applications. Engen Premium 3 is mainly recommended for applications where maximum protection against penetration of water or solid contaminants is required.	●
Engen SB Rubber Grease	Synthetic Ester, Montmorillonite		3		Specifically designed for the application of systems incorporating rubber components, and where conventional mineral based greases are incompatible with the rubber components. Engen SB Rubber Grease can be used for the lubrication of rubber components such as o-rings, valves, diaphragms, seals, etc.	●



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PRODUCT	THICKENER	OPERATING TEMPERATURE RANGE	NLGI	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Engen Super Graphite EP 0*	Mineral, Lithium Calcium	-15°C to +130°C	0	DIN 51502, KPF0K-20 ISO 12924, L-XB(F)CHB0	Recommended for the lubrication of open gears, racks, chains, wire ropes, rollers, tracks, slides, sprockets, etc. in the steel, cement, paper, chemical, mining, quarry and other industries requiring heavy duty lubrication under extreme mechanical and environmental conditions such as shock loads, vibration and contamination by dirt and water. Also suitable for applications involving oscillating or little relative movement, where fretting corrosion may be prevalent - i.e. on construction equipment and turntables.	
Engen Thixo Grease EP	Mineral, Fumed Silica	(Max is 120)	0	DIN 51502, GP0K-10	Primarily designed for the lubrication of enclosed gearboxes especially where oil leakage is a problem. Its thixotropic properties provide high viscosity at rest (zero shear rate) ensuring minimum leakage and making it an ideal lubricant in applications where oil leakage and/or ingress of contaminants are a problem.	
Engen TMG Grease	Part-Synthetic, Lithium-Calcium	-15°C to +120°C	0	GE D50E8C specification EMD EMS 1026 Type A specification DIN 51502, GPHC0.5K-20 ISO 12924, L-XC(F)CHB0.5	Specifically designed to lubricate the traction motor gear cases of all locomotives including the newest, high horsepower per axle units. It is also recommended for use in slush pans and open reservoirs. It is designed primarily for open gears and pinions of all sizes such as those found in tube mills and rail car tipplers. Furthermore it is an excellent grease lubricant for various enclosed gear cases used throughout industry.	
PETRONAS Grease Clay EP 2/470	Mineral, Inorganic Clay	-20°C to +180°C	2	DIN 51502, KP2N-20 ISO 12924, L-XB(F)DGA2	Recommended for lubrication in all industrial manufacturing plants. It is specially designed for high temperature applications such as winch gear boxes, clutch bands, bearings on cement kiln driers, brick kiln cars, ingot buggies in steel works and also on slides, guides and plain bearings where high temperatures are encountered. Also used for ball and roller bearings of plant subjected to similar temperatures.	
PETRONAS Grease Clay Syn 2/100	PAO Synthetic, Inorganic Non-soap Bentonite	-40 °C up to 180 °C	2	DIN 51502 / DIN 51825, KPHC2N-40 ISO 12924, L-XC(F)DHB2	Recommended for wide temperature range, multi-service applications in plain and anti-friction bearings, wheel bearings, gears, slides, cams and other services where friction reduction and low wear is required. It is particularly suitable for high speed bearings, hot electric motors, fans and bearings in paper mill and plastics production equipment. In sub-zero temperature service it finds application in freezer plants and outdoor mobile equipment.	
PETRONAS Grease Li AS	Mineral, Special Compound, Lithium		1.5	DIN 51502, KF1.5G-30 ISO 6743, L-XC(F)BAA1.5	Ideally suited for use in assembling of intake and exhaust manifold studs, cylinder head studs, boiler and head gaskets, face plate studs, gas burner connections, steam pipe threads as well bolts and nuts used on flange connections. Works well on all automotive passenger and truck wheel nuts & bolts.	
PETRONAS Grease LiBix 1.5/460 WT	Lithium Bismuth Complex / Synthetic	-40°C - 160°C to (180°C short term exposure)	1.5	DIN 51502, KPHC1,5N-40 ISO 6743, ISO-L-XDDIB1,5	Grease LiBiX 1.5/460 WT is a modern, high performance wind turbine grease based on a novel thickener technology. The product is suitable for pitch, yaw and main shaft bearings of all wind turbines. The consistency of lubricating grease makes it suitable for use in industrial centralised lubrication systems and assists in finding the proper balance in oil / product replenishment in the contact zone area versus the relative high thickener content products. It is advanced technology suitable for first fill.	
PETRONAS Grease LiCaX 0.5/850	Mineral, Lithium Calcium Complex	-20°C to +140°C	0.5	DIN 51502, OGP0.5N-20 ISO 12924, L-XB(F)DIB0.5	Modern high performance product suitable for extreme applications in heavy industry. The extreme load carrying capacity and the excellent water resistance make the product a perfect choice for slow to medium speeds on heavily loaded open gear applications as found in the steel, cement, paper, chemical and mining industries. In particular mills, kilns, shovels, slowing ring gears, draglines, slides, ship loaders, stackers, reclaimers and truck rollers on slow-moving equipment	
PETRONAS Grease Li EP 1 MRF	Mineral/ Polymer, Lithium	-30°C to +110°C	1	DIN 51502, KPF1-30	Superior grease lubricant designed to meet stringent specifications both on track and wheel flanges. Provides excellent lubrication performance and maximum wear protection, ensures quiet operation and extended service periods.	
PETRONAS Grease LiX 3/110	Mineral, Lithium Complex	-30°C to +140°C Max+160°C	3	DIN 51502 KP3N-30 ISO 6743 ISO-L-XCDEB3	Modern high performance product setting a new standard for a truly universal grease suitable for both industrial and automotive applications. The product's all round properties make it the primary choice for various types of bearing applications including heavy load conditions and temperature peaks up to 160°C.	



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INDUSTRIAL GREASES

ENERGY SAVING

MID TO LOW SAPS / LOW EMISSIONS

ENVIRONMENTALLY ACCEPTABLE LUBE (EAL)

ZINC FREE

FOOD GRADE

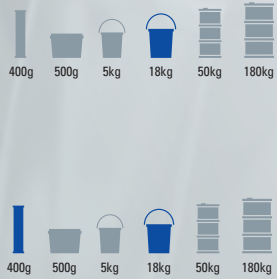
QUALITY INDEX: ● PRESTIGE ● PREMIUM ● STANDARD

PRODUCT	THICKENER	OPERATING TEMPERATURE RANGE	NLGI	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
PETRONAS Grease LiX Syn 2/100	Synthetic, Lithium Complex	-40°C to 150°C (max 220°C)	2	DIN 51502, KPHC2N-40 ISO 12924, L-XD(F)DIB2	Modern high performance synthetic products suitable for both industrial and automotive applications. The product's all-round properties and wide temperature range make it the primary choice for various types of bearing applications including high and low temperature conditions.	●
PETRONAS Grease LiX Syn 2/220	Synthetic, Lithium Complex	-40°C to 150°C (max 220°C)	2	DIN 51502, KPHC2N-40 ISO 12924, L-XD(F)DIB2	Modern high performance synthetic products suitable for both industrial and automotive applications. The product's all-round properties and wide temperature range make it the primary choice for various types of bearing applications including high and low temperature conditions.	●
PETRONAS Grease LiX Syn 00/460	Synthetic, Lithium Complex	-40°C to 150°C (max 220°C)	2	DIN 51502, KPHC00N-40, ISO 12924, L-XD(F)DIB00	Modern high performance synthetic product suitable for both industrial and automotive applications. The product's all-round properties and wide temperature range make it the primary choice for various types of bearing applications including high load conditions as experienced in Cone Crusher spider bearings	●
PETRONAS Grease LiX Syn 2/460	Synthetic, Lithium Complex	-40°C to 150°C (max 220°C)	2	DIN 51502, KPHC2N-40 ISO 12924, L-XD(F)DIB2	Modern high performance synthetic product suitable for both industrial and automotive applications. The product's all-round properties and wide temperature range make it the primary choice for various types of bearing applications including high and low temperature conditions.	●
PETRONAS Grease LiX Syn 1/1500	Synthetic, Lithium Complex	-30°C to 150°C (max 220°C).	1	DIN 51502, KPHC1N-30 ISO 12924, L-XD(F)DIB1	Modern high performance synthetic product suitable for both industrial and automotive applications. The product's properties make it the primary choice for bearings operating at extremely low speeds, under heavy loads, and at high temperatures.	●
PETRONAS Grease PE HS	Mineral, Special Compund, Polyethylene	-20°C to +120°C	1	Meets and exceeds the AGMA Type CG-1 requirements, Meets and exceeds the AGMA Type CG-2 requirements DIN 51502, GP1H-20 ISO 12924, L-XB(F)BHB1	High tech product suitable for lubrication of flexible couplings in heavy industries at high accelerations and high speeds and heavy loads as in applications found in mining, cement, power plants, steel, paper & pulp and petrochemical industry.	●
PETRONAS Grease PTFE	Mineral, Polytetra fluorethylene (PTFE)	-35°C to +250°C Max +270°C	2	NSF H1 approved, ISO 21469 certified and Halaal and Kosher certified. DIN 51502, KPFC2-35 ISO 6743, L-XWGIB2	High tech product suitable for applications in aggressive environments and at elevated temperatures. The grease is especially suitable for the lubrication of components working in the presence of pressurised oxygen or in food processing areas.	●
PETRONAS Grease PU		-20°C to +140°C (max 180°C)	2	DIN 51502, KP2N-20 ISO 6743, L-XD(F)DHA2	Specifically designed for high temperature, lightly loaded bearings. It is recommended for use where long operational life and extended re-greasing intervals are an important consideration. Also recommended for applications such as the lubrication of electric motor bearings, fin fan bearings and high temperature pumps.	●



Food Grade

PRODUCT	THICKENER	OPERATING TEMPERATURE RANGE	NLGI	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
PETRONAS FoodPure Grease FG 2/220	Mineral, Food Grade, Aluminium Complex	-20°C to +150°C	2	Meets NSF (Former USDA 1998 H1 type) guidelines; FDA approved ingredients; NSF H1 Registered; Halaal Certified; Kosher Certified. DIN 51502, KPHC1,5N-40 ISO 6743, ISO-L-XBCEB2	Designed specifically for the lubrication of food and sanitary machinery under a wide range of operating conditions with specific applications that include all enclosed journal and anti-friction bearings, slides and cams, in-plant and mobile equipment handling food products and sanitary equipment where incidental food contact may occur.	●
PETRONAS FoodPure Grease FG 2/550	Mineral, Food Grade, Aluminium Complex	-20°C to +150°C	2	Meets NSF (Former USDA 1998 H1 type) guidelines; FDA approved ingredients; NSF H1 Registered; Halaal Certified; Kosher Certified. DIN 51502, KPHC1,5N-40 ISO 6743, ISO-L-XBCEB2	Designed specifically for the lubrication of food and sanitary machinery under a wide range of operating conditions with specific applications that include all enclosed journal and anti-friction bearings, slides and cams, in-plant and mobile equipment handling food products and sanitary equipment where incidental food contact may occur.	●



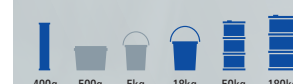
The Engen portfolio is continually changing to meet our customer demands therefore pack size options may vary at time of order. Not all SAE & ISO Viscosity grades are available in all pack sizes.

MULTIFUNCTIONAL GREASES



QUALITY INDEX: ● PRESTIGE ● PREMIUM ● STANDARD

PRODUCT	THICKENER	OPERATING TEMPERATURE RANGE	NLGI	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
Engen Premium EP 00	Mineral, Lithium	-30°C to +130°C	00	DIN 51502, KP00G-30. Meets Concawe DPD required guidelines.	Recommended for use in place of conventional gear oils in leaking gear cases on virtually all types of underground mining machinery. Specific applications include head gearboxes, cutter heads, oscillating arms, pots or gathering head drives, pump cases etc. It can also be used in many other industrial applications where conventional oils cannot be retained in gear cases, chain cases, etc.	●
Engen Premium EP 1	Mineral, Lithium	-30°C to +120°C (130°C Max).	1	DIN 51502, KP1K-30. Exceeds SABS 1851 Grease Specification Meets Concawe DPD required guidelines	High quality multipurpose grease that can be used in both industrial and automotive applications. The grease is suitable for a wide range of plain and rolling bearings.	●
Engen Premium EP 2	Mineral, Lithium	-12°C to +130°C	2	DIN 51502, KP2K-30. Exceeds SABS 1851 Grease Specification; Meets Concawe DPD required guidelines	Recommended for the lubrication of both plain and anti-friction bearings even where severe or shock loads are experienced. Other applications include bushings and pins, geared couplings at normal speeds, vibrating shafts and sliding mechanisms under normal operating conditions.	●
Engen Premium EP 3	Mineral, Lithium	-12°C to +130°C	3	DIN 51502, KP3K-20. Exceeds SABS 1851 Grease Specification; Meets Concawe DPD required guidelines	Recommended for the lubrication of both plain and anti-friction bearings even where severe or shock loads are experienced. Other applications include bushings and pins, geared couplings at normal speeds, vibrating shafts and sliding mechanisms under normal operating conditions. Engen Premium 3 grease is mainly recommended for applications where maximum protection against penetration of water or solid contaminants is required."	●
Engen Genlex EP 42	Mineral, Lithium Complex	-15°C to +160°C	2	DIN 51502, KP2N-20	Recommended for large plain and antifriction bearings and other mechanisms requiring a high temperature lithium NLGI 2 grease such as slides, cams, etc.	●
Engen Genlex EP 42 MT	Mineral, Lithium Complex	-15°C to +160°C	2	DIN 51502, KP2N-20	Formulated primarily for the lubrication of contractor equipment such as -chassis, highly loaded kingpins, U-joints, bucket pins, fifth wheels and open gears. However, field experience has shown that it will perform equally well in a variety of other heavy-duty applications in mining and other areas under severe operating and climatic conditions. "	●
Engen Resista Sulfonate	Mineral, Calcium Sulphonate Complex	-15°C to +170°C	2	DIN 51502, K2P-30. Meets NLGI GC-LB requirements (ASTM D4950)	Recommended for most heavy duty bearing applications including large plain and anti-friction bearings and other mechanisms requiring a high temperature NLGI 2 grease such as slides, cams etc. It can also be applied as multi-purpose grease and excels as marine deck grease.	●
Engen Resista Sulfonate Plus	Mineral, Calcium Sulphonate Complex	-20°C to +180°C	2	Meets NLGI GC-LB requirements (ASTM D4950) DIN 51502, K2P-30	Recommended for most heavily loaded applications including large plain and anti-friction bearings and other mechanisms requiring a high temperature NLGI 2 grease such as slides, cams etc. It can also be applied as a multi-purpose grease and excels as marine deck grease.	●
Engen Resista Agrigrease	Part-Synthetic, Lithium-Calcium	-15 to 140 °C	2	DIN 51502, KP2K-20	Designed to meet most agricultural and forestry equipment applications requiring a lithium or calcium based NLGI 2, multipurpose, extreme pressure grease. Some of the many applications are wheel bearings, steering boxes, propeller shaft universal joints, chassis, water pumps, 5th wheel, brake cams, roller and ball bearings, plain bearings, ball joints, splines and slides.	●
PETRONAS Grease LiX 2/220	Mineral, Lithium Complex	-30°C to +150°C, Max +180°C	2	Meets Volvo standard 1277.2 and NLGI standard GC-LB	Modern high performance product suitable for both industrial and automotive applications. The product's all round properties make it the primary choice for various types of bearing applications including heavy load conditions and temperature peaks up to 220°C.	●
PETRONAS Grease LiCa Semi Syn	Semi Synthetic, Lithium-Calcium	-20°C to 140°C	2	DIN 51502, KP2K-20 ISO 12924, L-XB(F)CHB2	Designed to meet most agricultural and forestry equipment applications requiring a lithium or calcium based NLGI 2, multipurpose, extreme pressure grease. Some of the many applications are Wheel bearings, steering boxes, propeller shaft universal joints, chassis, water pumps, 5th wheel, brake cams, roller and ball bearings, plain bearings, ball joints, splines and slides. Other industrial applications include machine tools, electric motor bearings, geared couplings at normal speeds, vibrating shafts and sliding mechanisms. Especially suited for wet applications and areas where chemical process water makes contact with the grease.	●



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MULTIFUNCTIONAL GREASES

PRODUCT	THICKENER	OPERATING TEMPERATURE RANGE	NLGI	INDUSTRY STANDARD	APPLICATION	QUALITY INDEX
PETRONAS Grease LiCa GEP 2.5	Mineral, Lithium-Calcium	- 20°C to +120°C	2,5	DIN 51502, OGP2.5K-20 ISO 12924 L-XB(F)CIB2.5	Recommended for the lubrication of open gears, racks, chains, wire ropes, rollers, tracks, slides, sprockets, etc. in the steel, cement, paper, chemical, mining, quarry and other industries requiring heavy duty lubrication under extreme mechanical and environmental conditions such as shock loads, vibration and contamination by dirt and water. The grease is also suitable for applications involving oscillating or little relative movement, where fretting corrosion may be prevalent - i.e. on construction equipment and turntables. intended primarily for 5th wheel lubrication. It is also recommended for rough plain bearings, slides and other parts, e.g. oven conveyor chains, gears and bearings of boiler soot-blowers, axle lubrication of trolleys operating in high temperature kilns and on the skates of pantographs of electrical locomotives, rail and flange and trolley buses. It can also be used as an anti-seize compound for nuts, bolts and gaskets.	
PETRONAS Grease LiCa MG HL	Mineral, Lithium-Calcium	-20°C to 130°C	2	DIN 51502 KPFX2K-20; ISO 12924 XBCHB2	Recommended for use as chassis grease and it is particularly suitable for “off-road” applications in civil engineering (pin and bush) and agriculture. Further applications include lubrication of industrial plain and anti-friction bearings where severe or shock loads are experienced. It is highly effective in applications involving oscillating or limited relative motion, where fretting corrosion is likely to occur. It is also suitable for use in constant velocity joints (CVJ), machine tools, vibrating shafts and sliding mechanisms.	
PETRONAS Grease LiCa MG XHL	Mineral, Lithium-Calcium	-20°C to 120°C	2	Tried and tested in severe environments. Dominant for a range of OEM’s such CAT, Bell, Hitachi, Sumitomo, Liebherr and Komatsu.	Recommended for use as chassis grease and it is dynamic for “off-road” applications in civil engineering (pin and bush) and agriculture. Further applications include lubrication of industrial plain and anti-friction bearings where severe or shock loads are experienced. Exceptional in applications involving oscillating or limited relative motion, where fretting corrosion is likely to occur. Unrivalled performance in constant velocity joints (CVJ), machine tools, vibrating shafts and sliding mechanisms such as Pin and Bushes.	



GREASING EQUIPMENT

PRODUCT	APPLICATION
Engen Resista Grease Gun 	Engen's 400g grease gun makes manual greasing so much easier. The grease gun can be filled via fillerpump, 400g cartridges, using a putty knife as well as bulk filling.
Engen Set Feed Lubricator	A major disadvantage with any fixed jet lubricator used with pneumatic mining equipment is the inability to control the lubricant feed rate within acceptable limits, compressed air pressure and the air flow requirement of the equipment involved.For best results the recommended lubricant is Engen Aqualube 400 C available in sachets of 350 g in a 15 kg Carton or Pail.

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QUALITY GUARANTEED

The Engen brand name is the purchaser's guarantee of the quality of our products. We test and apply stringent quality controls throughout the manufacturing process to ensure that our products meet the harsh operating conditions in Africa. We comply with the international ISO 9001:2000 production standard.

To meet customer needs, Engen conducts stringent and exhaustive testing on all incoming base oils and additives, carries out random testing of packaged products, and does field tests on imported and local products.

For more information about this product and other products in our range please scan the following:



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