



Transmisiones y ejes para carretillas elevadoras

Lista de lubricantes TE-ML 17

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1. Clases de lubricantes aprobados

Grupos de productos	Lubricantes admitidos para el llenado de servicio ⁽¹⁾
Grupos cónicos GRP8, HFK 100-600, GK20LD, GK25LD, GK40	17A / 17B / 17H
- Cojinetes de corona de giro GRP8, HFK 100-600, GK20LD, GK25LD, GK40	Grasa de lubricación Shell Alvania RL3 ⁽²⁾
Grupos cónicos GK10, GK16, GK20, GK25, GK26LD, GK30	17B / 17H
Grupos planetarios GR10	grasa para transmisiones Esso Unirex N2
Transmis. de piñones dentado recto HFD 80	grasa líquida para transmisiones Klüber Mikrolube GB 00 grasa para transmisiones Klübersynth GE46-1200 ⁽⁴⁾
Dirección eléctrica EPS3 - Transmisión - Cubo de rueda	grasa líquida para transmisiones Total MULTIS EP 00 Grasa de lubricación Shell Alvania RL3 ⁽²⁾
Grupos planetarios HFS 502, HFS 507, GP18, GP20	17C
Grupos planetarios GP21, GP23, GP25	17C
Grupos planetarios GP25 sin freno	17A / 17H
Grupos planetarios HFP 10, HFP 10A	Grasa de lubricación Shell Alvania RL3 ⁽²⁾
Grupos planetarios HFP 20, HFP 40, HFP 50, GR50	17A / 17B / 17H
Ejes PR61S, PR20MO, PR40MO, P16MO	17B / 17H
WG 80, WG 81, WG 85, WG 86	véase lista de lubricantes TE-ML 03 ⁽³⁾
- Ejes acoplados a la transmisión	17B / 17H
Ejes AT30	17E / 17G
Ejes AT35	17E ⁽⁵⁾ / 17F / 17G ⁽⁵⁾
Ejes GPA35	Transmisión: 17H; Freno de discos múltiples: 17C

La lista de lubricantes TE-ML 17, edición 01.07.2020 sustituye a todas las anteriores ediciones. La lista válida en cada momento puede solicitarse en cualquier Servicio Oficial-ZF o consultarse en Internet: www.aftermarket.zf.com/lubricants.

ZF Friedrichshafen AG
D-88038 Friedrichshafen
www.zf.com/contact

2. Tolerancias de temperaturas bajas

Clase de lubricantes	Tipo de aceite / Clase de viscosidad	Puesta en marcha del vehículo cuando las temperaturas del cárter de aceite son
17C	- ATF	- 40°C 
17A, 17B	- SAE 75W-80, 75W-85, 75W-90	- 40°C 
17E, 17F, 17G	- SAE 10W-30, 10W-40, otros	- 35°C 
17A, 17B, 17E, 17H	- SAE 80, 80W-85, 80W-90, 20W-40	- 26°C 
17A, 17B, 17H	- SAE 85W-90	- 12°C 
17A, 17B, 17H	- SAE 90	- 5°C 

3. Explicación de notas a pie de página y otras observaciones

Notas a pie de página

- (1) **Productos comerc. autorizados: ver pág. siguientes.**
- (2) Alternativamente se puede utilizar una grasa universal, mezclable con aceites minerales, saponificada a base de litio de la clase NLGI 3 (identificación de la grasa KP2K-30 según DIN 51825, o bien ISO-L-XCCHB2 según ISO 6743-9).
- (3) La lista TE-ML 03 válida en cada momento puede solicitarse en cualquier Servicio Oficial-ZF o consultarse en Internet: www.zf.com/lubricants.
- (4) Sólo se utiliza en una cámara frigorífica.
- (5) Las clases de lubricantes 17E y 17G son válidos para cambios de aceite de servicio y sólo debe utilizarse con el eje rodado a partir de un kilometraje total del vehículo de 1.500 h. Durante el rodaje del eje (kilometraje total del vehículo 0 hasta 1500 km), se debe utilizar un aceite de la clase de lubricantes de 17F.

Observaciones

En los restantes puntos de engrase ha de utilizarse una grasa universal, mezclable con aceites minerales, saponificada a base de litio de la clase NLGI 2 (identificación de la grasa KP2K-30 según DIN 51825, o bien ISO-L-XCCHB2 según ISO 6743-9).

Los aditivos, de cualquier tipo, que se le añadan al aceite **posteriormente**, modifican el aceite en una forma no calculable y por tanto no son admisibles. ZF no se hace responsable de todas aquellas averías derivadas de la utilización de este tipo de aditivos.

4. Clases de lubricantes y productos comerciales aprobados

Clase de lubricantes 17A

Fabricante (17A)

ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 BAHRAIN PETROLEUM COMPANY, AWALI/BH
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 DE OLIEBRON BV, ZWIJNDRECHT/NL
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GS CALTEX CORPORATION, SEOUL/KR
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 HILL CORPORATION, SHYMKENT/KZ
 HINDUSTAN PETROLEUM CORPORATION LTD., MUMBAI/IN
 HINDUSTAN PETROLEUM CORPORATION LTD., MUMBAI/IN
 ICONIC LUBRICANTES SA, RIO DE JANEIRO/BR
 INA MAZIVA LTD., ZAGREB/HR
 INA MAZIVA LTD., ZAGREB/HR
 INDIAN OIL CORPORATION LTD, MUMBAI/IN
 INDIAN OIL CORPORATION LTD, MUMBAI/IN
 INDIAN OIL CORPORATION LTD, MUMBAI/IN
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 LIQUI MOLY GMBH, ULM/DE
 LIQUI MOLY GMBH, ULM/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MOL-LUB KFT, ALMASFUZITO/HU
 MOTUL SA, AUBERVILLIERS/FR
 OILFINO MINERALÖL GMBH, PRISDORF/DE
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OPET FUCHS MADENI YAG. SAN. VE TIC. A.S., IZMIR/TR
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR
 PETROGAL S.A., LISBOA/PT
 PETROGAL S.A., LISBOA/PT
 PETROL OFISI A.S., ISTANBUL/TR
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PT. PERTAMINA, JAKARTA/ID
 PTT OIL AND RETAIL BUSINESS PLC., BANGKOK/TH
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES

Denominación del producto (17A)

ADDINOL GETRIEBEÖL GS 80W
 ADDINOL GETRIEBEÖL GS 80W-90
 ARAL GETRIEBEÖL EP 80W
 ARAL GETRIEBEÖL EP 80W-90
 PENNASOL MULTIPURPOSE GEAR OIL GL 4 SAE 80W
 PENNASOL MULTIPURPOSE GEAR OIL GL 4 SAE 90
 AVISTA PEER EVO GL4 SAE 80W-90
 AVISTA PEER EVO GL4 SAE 85W-90
 SPAREX HP 90 GL-4
 TECTROL UNIGEAR 80
 BELGEAR EP MB 80
 BP ENERGEAR EP 80W
 BP ENERGEAR EP 80W-90
 GEAR OIL EP 80W
 CASTROL MANUAL EP 80W
 CASTROL MANUAL EP 80W-90
 CASTROL TRANSMAX MANUAL EP 80W-90
 CASTROL TRANSMAX MANUAL EP 80W-90
 CASTROL TRANSMAX MANUAL EP 80W-90
 CASTROL MANUAL EP 80W
 CASTROL TRANSMAX MANUAL EP 80W
 CEPSA TRANSMISIONES 80W-90
 ERTOL TRANSMISIONES F SAE 80W
 TRANSLUBE LD SAE 80W
 TRANSLUBE LD SAE 90
 GEARTEX EP-4 80W
 GEARTEX EP-4 80W-90
 TOR MULTIPURPOSE GEAR OIL SAE 80W90
 MOBILUBE GX-A 80W
 FUCHS TITAN GEAR MP SAE 80
 GEARWAY G4 80W
 FUCHS TITAN TITAN GEAR ZF SAE 80
 G-BOX EXPERT GL-4 80W-85
 G-TRUCK GL-4 80W-90
 GAZPROMNEFT GL-4 80W-85
 GAZPROMNEFT GL-4 80W-90
 KIXX GEARTEC X GL-4 80W
 GULF GEAR XP 80W
 GULF GEAR XP 80W
 GULF GEAR XP 90
 GULF GEAR XP MAX 90
 GULF GEAR XP DURA MAX 80W-90
 GULF GEAR MZ 80W
 GULF GEAR MZ 90
 GULF GEAR MZ 85W-90
 GULF GEAR XP 80W-90
 GULF GEAR MZ 80W-90
 GULF GEAR XP 80W
 GULF GEAR ZX 80W
 FASTROIL MTF4 80W-90
 HP GEAR OIL ZFL 80W 90
 HP GEAR OIL ZFL 80W
 IPIRANGA ULTRAGEAR MB 80W
 INA TRANSMOL HD 80W-90
 INA TRANSMOL DB 80W
 SERVO GEAR ALT 90
 SERVO GEAR HP 80W-90 (T)
 SERVO UNIDRIVE 80W-90
 Q8 T 35 SAE 80W
 Q8 T 35 SAE 80W-90
 LIQUI MOLY GETRIEBEÖL GL4 SAE 80W
 LIQUI MOLY GETRIEBEÖL GL4 SAE 85W-90
 MEGOL MEHRZWECKGETRIEBEOEL GL 4 SAE 80W
 MEGOL MEHRZWECKGETRIEBEOEL GL 4 SAE 85W-90
 MOL HYKOMOL 80W
 MOTUL GEAR MB 80W
 OILFINO VARIUS G 300 SAE 80W-90
 LUKOIL TRANSMISSION MP 85W-90
 LUKOIL TRANSMISSION GL-4 HD 80W-90
 OPET FULLGEAR EP MT 80W
 PLATINUM GEAR GL-4 80W
 PLATINUM GEAR GL-4 80W-90
 LUBRAX TRM 4 SAE 80W
 LUBRAX TRM 4 SAE 90
 GALP TRANSOIL 80W
 GALP TRANSOIL 80W90
 MAXIGEAR TECH EP 80W
 TUTELA TRANSMISSION STARGEAR (SAE 80W)
 TUTELA TRANSMISSION STARGEAR HD (SAE 80W)
 PETRONAS TUTELA MTF 300 HD 80W
 RORED EPA 80W
 PTT SUPERTRANS 80W
 RAVENOL GETRIEBEÖL MZG SAE 80W-90 GL-4
 REPSOL CARTAGO EPM 80W

Número de homologación de ZF

ZF000630
 ZF000701
 ZF000458
 ZF001715
 ZF000678
 ZF000679
 ZF004779
 ZF004792
 ZF001694
 ZF001162
 ZF000665
 ZF000198
 ZF001216
 ZF000600
 ZF000293
 ZF001096
 ZF002133
 ZF002135
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 ZF004862
 ZF000023
 ZF000087
 ZF000800
 ZF000801
 ZF002276
 ZF002277
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 ZF000768
 ZF001666
 ZF001014
 ZF001028
 ZF003683
 ZF001399
 ZF001361
 ZF001109
 ZF000631

Fabricante (17A)

REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 RN-LUBRICANTS, LLC, MOSCOW/RU
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SK LUBRICANTS, SEOUL/KR
 SK LUBRICANTS, SEOUL/KR
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 UNIL OPAL, SAUMUR/FR
 UNIL OPAL, SAUMUR/FR
 VALVOLINE CUMMINS PVT LIMITED, GURGAON/IN
 YPF S.A., BUENOS AIRES/AR

Denominación del producto (17A)

REPSOL CARTAGO EPM 90
 ROSNEFT KINETIC MT 80W-90
 SHELL SPIRAX MA 80 W
 SHELL SPIRAX MA 80 W
 SHELL SPIRAX S3 G 80W-90
 SHELL SPIRAX S3 G 80W
 SHELL SPIRAX S3 G 80W
 SHELL SPIRAX S3 G 80W-90
 SINOPEC GREATWALL MTF C-I 80W
 SINOPEC GREATWALL MTF C-I 80W-90
 SINOPEC GREATWALL MTF C-I 85W-90
 SK GEAR EP 80W-90 ZF
 TATADW G EP 80W-90
 SRS WIOLIN MEHRZWECK-GETRIEBEÖL 80W-90
 SRS WIOLIN MEHRZWECK-GETRIEBEÖL 90
 SRS WIOLIN MEHRZWECK-GETRIEBEÖL 80
 SRS WIOLIN RSG 80
 SRS WIOLIN ML 4 PLUS SAE 80W
 SRS WIOLIN ML 4 PLUS SAE 80W-90
 SRS WIOLIN ML 4 PLUS SAE 90
 TOTAL TRANSMISSION GEAR 7 80W-90
 TOTAL TRANSMISSION GEAR 7 80W-85
 ELF TRANSELF EP 80W
 ELF TRANSELF EP 80W-90
 GEAR EP 80W
 GEAR EP 80W90
 VALVOLINE GEAR GARD PLUS 80W90
 HELICOIDAL M (80W)

Número de homologación de ZF

ZF000633
 ZF003448
 ZF000325
 ZF000326
 ZF001298
 ZF001299
 ZF004866
 ZF004869
 ZF001727
 ZF001933
 ZF001936
 ZF000715
 ZF002132
 ZF000440
 ZF000445
 ZF000446
 ZF000452
 ZF001914
 ZF001915
 ZF001916
 ZF001772
 ZF001776
 ZF002067
 ZF002068
 ZF000377
 ZF001051
 ZF000985
 ZF000657

Clase de lubricantes 17B

Fabricante (17B)

ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 BAHRAIN PETROLEUM COMPANY, AWALI/BH
 BAHRAIN PETROLEUM COMPANY, AWALI/BH
 BAHRAIN PETROLEUM COMPANY, AWALI/BH
 BASF SE, LUDWIGSHAFEN/DE
 BASF SE, LUDWIGSHAFEN/DE
 BASF SE, LUDWIGSHAFEN/DE
 BASF SE, LUDWIGSHAFEN/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CHAMPION CHEMICALS N.V., HEMIKSEM/BE
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CLASS KGAA MBH, HARSEWINKEL/DE
 CONDAT LUBRIFIANTS, CHASSE SUR RHONE/FR
 CYCLON HELLAS SA, ATHENS/GR
 DE OLIEBRON BV, ZWIJNDRECHT/NL
 DE OLIEBRON BV, ZWIJNDRECHT/NL
 EKO ABEE, ATHENS/GR
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUSEVAC/RS
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUSEVAC/RS
 ENI S.P.A., ROME/IT
 ENI S.P.A., ROME/IT
 ENI S.P.A., ROME/IT
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FINKE MINERALÖLWERK GMBH, 27374 VISSLHÖVEDE/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU

Denominación del producto (17B)

ADDINOL GETRIEBEÖL GH 85W-90
 ADDINOL GETRIEBEÖL GH 80W-90
 ADDINOL GETRIEBEÖL GH 75 W 90 SL
 ADDINOL GETRIEBEÖL GX 80 W 90
 ARAL GETRIEBEÖL BS 75W-90
 ARAL GETRIEBEÖL SNA-D 80W-90
 ARAL GETRIEBEÖL SNA-E 75W-90
 ARAL GETRIEBEÖL HYP 85W-90
 PENNASOL HYPOID GEAR OIL GL 5 SAE 90
 PENNASOL MULTIGRADE HYPOID GEAR OIL GL 5 SAE 80W90
 AVISTA PEER EVO GL5 SAE 80W-90
 AVISTA PEER EVO GL5 SAE 85W-90
 SPAREX EP 90 GL-5
 SPAREX EP 90 GL-5
 SPAREX EP 80W-90 GL-5
 EMGARD UAF 4209
 EMGARD RW-A, SAE 75W-90
 EMGARD HP 75W-90
 EMGARD UAF 7105
 TECTROL MULTIGEAR HYP 90
 EVOLCA SGP 75W90
 BP ENERGEAR HYPO XL 80W-90
 BP ENERGEAR SHX-M 75W-90
 BP ENERGEAR HYPO 90
 BP ENERGEAR HYPO 80W-90
 UNISYNT ZX SAE 75W90
 GEAR OIL HYPOID SAE80W/90
 PENTA TL SAE 75W/90
 UNIVERSAL CT SAE 80W/90
 MOTOREX UNIVERSAL SAE 80W90
 YORK 1091 SAE 80W/90
 CASTROL AXLE LONG DRAIN 80W-90
 CASTROL SYNTRAX LONG LIFE 75W-90
 CASTROL AXLE EPX 90
 CASTROL AXLE EPX 80W-90
 SYNTRAX UNIVERSAL PLUS 75W-90
 CASTROL AXLE EPX 80W-90
 CASTROL TRANSMAX AXLE LONG LIFE 75W-90
 CASTROL TRANSMAX UNIVERSAL LL 75W-90
 CASTROL TRANSMAX AXLE EPX 80W-90
 CASTROL TRANSMAX AXLE EPX 85W-90
 CASTROL AXLE EPX 80W-90
 CASTROL TRANSMAX AXLE LONG DRAIN 80W-90
 CEPSA TRANSMISIONES EP 80W-90
 CEPSA TRANSMISIONES EP FE+LD 75W-90
 CEPSA TRANSMISIONES EP 90
 MAN SUPER AXLE 3343 75W-90
 MAN SUPER AXLE 342-M2
 CHAMPION OEM SPECIFIC 75W90 GL 5
 HYPOID LD SAE 85W-90
 MULTIGEAR EP SAE 90
 MULTIGEAR EP-5 SAE 80W-90
 DELO GEAR EP-5 SAE 80W-90
 GEARTEX EP-5 85W-90
 GEARTEX EP-5 80W-90
 DELO SYN-TDL 75W-90
 DELO GEAR CGA SAE 80W-90
 CLAAS AGRISHIFT MT 80W-90
 GEAR TXS 75W90
 GEAR EP GL-5 80W-90
 TOR SUPER GEAR OIL 80W90
 TOR UNI GEAR LD 75W90
 EKO GEAROL-5 80W-90
 MULTIHIPO 75W-90 SINT
 MULTIHIPO PLUS 80W-90
 ENI ROTRA MP 80W-90
 ENI ROTRA LSX 75W-90
 ENI ROTRA MP 75W-90
 MOBILUBE 1 SHC 75W-90
 MOBILUBE HD-A PLUS 80W-90
 MOBILUBE HD-A 85W-90
 MOBIL DELVAC SYNTHETIC GEAR OIL 75W-90
 MOBIL DELVAC 1 GEAR OIL 75W-90
 MOBIL DELVAC ULTRA TOTAL DRIVELINE 75W-90
 AVIATICON FINKOGEAR PREMIUM 75W-90
 FUCHS TITAN CYTRAC HSY SAE 75W-90
 FUCHS TITAN GEAR HYP LD SAE 80W-90
 FUCHS TITAN SUPERGEAR SAE 80W-90
 FUCHS TITAN GEAR HYP SAE 90
 FUCHS TITAN CYTRAC RR SAE 75W-90
 GEARWAY S5 75W-90
 GEARWAY G5 80W-90
 PENTOSIN GETRIEBEÖL O-226 80W-90
 PENTOSIN G5 85W-90
 FUCHS TITAN CYTRAC TD SAE 75W-90
 FUCHS AGRIFARM GEAR SAE 80W-90
 G-TRUCK GL-5 80W-90

Número de homologación de ZF

ZF000555
 ZF000671
 ZF002260
 ZF003620
 ZF000133
 ZF000135
 ZF000142
 ZF000464
 ZF000680
 ZF000681
 ZF004777
 ZF004793
 ZF001693
 ZF002316
 ZF002317
 ZF000363
 ZF000917
 ZF001716
 ZF001876
 ZF001159
 ZF004734
 ZF000205
 ZF000208
 ZF000828
 ZF001321
 ZF000354
 ZF002005
 ZF003411
 ZF003531
 ZF004730
 ZF004840
 ZF000229
 ZF000230
 ZF000265
 ZF001320
 ZF001471
 ZF001754
 ZF002142
 ZF002144
 ZF002163
 ZF003394
 ZF004752
 ZF004885
 ZF000084
 ZF000086
 ZF000097
 ZF000965
 ZF000966
 ZF003554
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 ZF002137
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 ZF000656
 ZF000732
 ZF001030
 ZF001036
 ZF001195
 ZF001422
 ZF003341
 ZF003624
 ZF000556

Fabricante (17B)

PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PHI OIL GMBH, ST. GEORGEN/AT
 PHI OIL GMBH, ST. GEORGEN/AT
 PRISTA OIL HOLDING EAD, RUSE/BG
 PRISTA OIL HOLDING EAD, RUSE/BG
 QATAR LUBRICANTS COMPANY, DOHA/QA
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 RN-LUBRICANTS, LLC, MOSCOW/RU
 RN-LUBRICANTS, LLC, MOSCOW/RU
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE
 SASOL ENERGY, JOHANNESBURG/ZA
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 TEDEX S.A., WARSZAWA/PL
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 UNIL OPAL, SAUMUR/FR
 VALVOLINE EUROPE, DORDRECHT/NL
 VALVOLINE EUROPE, DORDRECHT/NL
 VALVOLINE EUROPE, DORDRECHT/NL
 VEEDOL INTERNATIONAL LIMITED, GLASGOW/GB
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE
 YACCO SAS, ST PIERRE LES ELBEUF/FR
 YORK LUBRICANTS - GINOUVES SAS, LA GARDE/FR
 YORK LUBRICANTS - GINOUVES SAS, LA GARDE/FR
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE

Denominación del producto (17B)

ARBOR TRW 90 (SAE 80W-90)
 AKCELA GEAR 135H EP (SAE 80W-90)
 AKROS GEAR EP 90 (SAE 80W-90)
 TUTELA TRANSMISSION W 90/M-DA (SAE 80W-90)
 PETRONAS TUTELA AXLE 300 80W-90
 UNIGEAR GOLD 75W90
 UNIGEAR GOLD 75W90
 PRISTA EP 90
 PRISTA EP 80W-90
 QALCO SUPER GEAR OIL ZX 80W-90
 RAVENOL HYPOID EPX GETR.-OEL 80W-90 GL5
 REPSOL CARTAGO EP SAE 90
 REPSOL CARTAGO FE LD 75W90
 REPSOL CARTAGO EP MULTIGRADO SAE 80W90
 REPSOL CARTAGO LD 80W90
 ROSNEFT KINETIC HYPOID 80W-90
 ROSNEFT KINETIC HYPOID 85W-90
 ROLF TRANSMISSION S9 AGE 75W-90
 ROLF TRANSMISSION M5 A 80W-90
 SYN GEAR DIFFERENTIAL OIL 75W-90
 SHELL SPIRAX S6 AXME 75W-90
 SHELL SPIRAX MB 90
 SHELL SPIRAX MB 90
 SHELL SPIRAX S3 AX 80W-90
 SHELL SPIRAX S3 AD 80W-90
 SHELL SPIRAX S6 AXME 75W-90
 SHELL SPIRAX HD 80W- 90
 SHELL SPIRAX HD 80W- 90
 SHELL SPIRAX HD 80W- 90
 SHELL SPIRAX S6 AXME 75W-90
 SHELL SPIRAX S4 AX (80W-90)
 SHELL SPIRAX S4 AX (80W-90)
 SHELL SPIRAX S4 AX (80W-90)
 SHELL SPIRAX S6 ADME 75W- 90
 SINOPEC GREATWALL VT 75W/90
 SINOPEC GREATWALL MULTIPURPOSE GEAR OIL 80W-90
 SRS WIOLIN HYPOID-GETRIEBEÖL 80W-90
 SRS WIOLIN HYPOID-GETRIEBEÖL 90
 SRS GETRIEBEFLUID SXL 75W-90
 SRS WIOLIN HL 5 SAE 80W-90
 SRS WIOLIN HL 5 SAE 85W-90
 TEDEX SUPER GEAR OIL (TDL) SAE 80W-90
 TEXSA GEAR MULTI GL-5 90
 TEXSA GEAR MULTI GL-5 80W90
 MONTANA DYNAMIC TRACTOGEAR 5 80W90
 ELF TRANSELF SYNTHESE FE 75W-90
 TOTAL TRANSMISSION AXLE 7 80W-90
 TOTAL TRANSMISSION DUAL 9 FE 75W-90
 TOTAL TRANSMISSION AXLE 7 85W-90
 TOTAL TRANSMISSION AXLE 9 80W-90
 ELF TRANSELF TYPE B 90
 ELF TRANSELF TYPE B 80W-90
 TOTAL DYNATRANS HD 80W-90
 TRAXIUM AXLE 7 80W-90
 GEAR ZF 80W90
 VALVOLINE HEAVY DUTY TDL PRO 75W-90
 VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90 LD
 NESTE PRO AXLE TDL 75W-90
 VEEDOL TRANSMISSION SYNTHETIC LD 75W-90
 WOLF OFFICIALTECH 75W90 GL 5
 BVX 1000 75W-90
 YORK 896 75W90
 YORK 793 SAE 80W90
 DIVINOL MULTI-AXLE 80W90

Número de homologación de ZF

ZF003641
 ZF003642
 ZF003658
 ZF003659
 ZF003703
 ZF001203
 ZF003606
 ZF000378
 ZF000380
 ZF002077
 ZF001110
 ZF000379
 ZF000451
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 ZF003631
 ZF001629
 ZF003525
 ZF001612
 ZF000550
 ZF001129
 ZF001684

Clase de lubricantes 17C**Fabricante (17C)**

ACPA, ALEXANDRIA/EG
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 COMERCIAL ROSHFRANS, S.A. DE C.V., MEXICO, D.F./MX
 ENI S.P.A., ROME/IT
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GRUPA LOTOS S.A., GDANSK/PL
 HILL CORPORATION, SHYMKENT/KZ
 ICONIC LUBRIFICANTES SA, RIO DE JANEIRO/BR
 INA MAZIVA LTD., ZAGREB/HR
 INA MAZIVA LTD., ZAGREB/HR
 INA MAZIVA LTD., ZAGREB/HR
 INA MAZIVA LTD., ZAGREB/HR
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MOL-LUB KFT, ALMASFUZITO/HU
 MOL-LUB KFT, ALMASFUZITO/HU
 MOL-LUB KFT, ALMASFUZITO/HU
 MORRIS LUBRICANTS, SHREWSBURY/GB
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 OY TEBOIL AB, HELSINKI/FI
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 PANOLIN AG, MADETSWIL/CH
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR
 PETROGAL S.A., LISBOA/PT
 PETROL OFISI A.S., ISTANBUL/TR
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A. MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A. MADRID/ES
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SPECOL SP. Z O.O., CHORZOW/PL
 TEDEX S.A., WARSZAWA/PL
 VALVOLINE, LEXINGTON/US
 ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Denominación del producto (17C)

ACPA DEX-IIIH
 ADDINOL ATF D II D
 ADDINOL ATF XN 2
 ADDINOL ATF XN 3
 AVISTA SUPER FLUID TYP P/CN
 AVISTA SUPER FLUID ATF 3000
 PENNASOL SUPER FLUID ATF 3000
 PENNASOL SUPER FLUID TYP P/CN
 MOTOR GOLD FLUIDTEC TYP P/CN
 MOTOR GOLD FLUIDTEC ATF 3000
 AVISTA PEER EVO ATF 3000
 AVISTA PEER EVO ATF 2000
 TECTROL ATF 3000
 TECTROL ATF 4000
 ATF TP
 CEPSA ATF 3000 S
 CEPSA ATF 2000S
 TEXAMATIC 4291
 DELO SYN ATF HD
 HAVOLINE MULTI-VEHICLE ATF
 ATF ALLPOWER MULTIVEHICULOS
 ENI ROTRA ATF II E
 MOBIL ATF 320
 MOBIL ATF LT 71141
 FUCHS TITAN ATF 5005
 FUCHS TITAN ATF 1
 G-BOX ATF DXII
 G-BOX EXPERT ATF DX III
 GAZPROMNEFT ATF DX III
 LOTOS ATF SUPER III G
 FASTROIL ATF 3
 IPIRANGA ATF OEM PREMIUM
 INA ATF SUPER
 INA ATF DX III
 INA ATF DX IID
 INA ATF DX IIH
 Q8 AUTO Z3D
 MEGOL TRANSMISSION-FLUID ATF III
 MOL ATF
 MOL ATF SYNT 3H
 MOL ATF SYNT
 MULTITRANS ACV
 LUKOIL ATF SYNTH HD
 HIPOL ATF II E
 TEBOIL FLUID E
 AUXON II E
 ATF XT III FLUID
 PANOLIN ATF SUPER VTX
 DURADRIVE HD SYNTHETIC BLEND ATF
 LUBRAX ATF HD
 GALP TRANSMATIC D III
 ATF DX-3
 TUTELA TRANSMISSION GI/E
 TUTELA TRANSMISSION STARFLUID PS
 PETRONAS TUTELA ATF 500 HD
 PETRONAS TUTELA ATF 500 HD
 REPSOL MATIC III
 REPSOL MATIC LD ATF
 SHELL SPIRAX S6 ATF VM PLUS
 SPIRAX S4 ATF HDX
 SINOPEC GREATWALL ATF III LD
 SINOPEC GREATWALL ATF HD
 HIPOSPEC ATF IID
 TEDEX ATF III
 SYN GARD™ ATF ES
 ZF LIFEGUARDFLUID 5

Número de homologación de ZF

ZF004823
 ZF000698
 ZF003702
 ZF004910
 ZF002128
 ZF002129
 ZF002296
 ZF002297
 ZF002311
 ZF002312
 ZF004774
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 ZF002040
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 ZF001177
 ZF001218
 ZF004790
 ZF002120
 ZF001425
 ZF001667
 ZF000481
 ZF000993
 ZF003635
 ZF004757
 ZF000318
 ZF001751
 ZF001371
 ZF001812
 ZF001360
 ZF003348
 ZF003354
 ZF001350
 ZF003710
 ZF001363

Clase de lubricantes 17E

Aceite universal para ejes y cajas de cambios

Fabricante (17E)

ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ARAL AG, BOCHUM/DE
 ARGO TRACTORS S.P.A., FABBRICO RE/IT
 ARGO TRACTORS S.P.A., FABBRICO RE/IT
 ARGO TRACTORS S.P.A., FABBRICO RE/IT
 AVIA AG, MÜNCHEN/DE
 AVIA AG, MÜNCHEN/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BP PLC., LONDON/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CEPSA COMERCIAL PETRÓLEO S.A.U., MADRID/ES
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CLASS KGAA MBH, HARSEWINKEL/DE
 DEUTSCHE ÖLWERKE LUBMIN, LUBMIN/DE
 EUROL B.V., NJIVERDAL/NL
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FINKE MINERALÖLWERK GMBH, 27374 VISSELHOVEDE/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GB LUBRICANTS, GATESHEAD/GB
 GS CALTEX CORPORATION, SEOUL/KR
 GULF OIL INTERNATIONAL, MUMBAI/IN
 GULF OIL INTERNATIONAL, MUMBAI/IN
 HINDUSTAN PETROLEUM CORPORATION LTD., MUMBAI/IN
 HYUNDAI OILBANK CO., LTD., SEOUL/KR
 INA MAZIVA LTD., ZAGREB/HR
 INA MAZIVA LTD., ZAGREB/HR
 INA MAZIVA LTD., ZAGREB/HR
 JCB INDIA, BALLABGARH/IN
 JOHN DEERE, MOLINE, ILLINOIS/US
 JXTG NIPPON OIL & ENERGY CORPORATION, TOKYO/JP
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIQUI MOLY GMBH, ULM/DE
 LUBRIZOL, HAZELWOOD/GB
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 OBNINSKORGSINTEZ, OBNINSK/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 PANOLIN AG, MADETZWIL/CH
 PANOLIN AG, MADETZWIL/CH
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR
 PETROGAL S.A., LISBOA/PT
 PETROL OFISI A.S., ISTANBUL/TR
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY

Denominación del producto (17E)

ADDINOL UTTO SAE 10W-30
 ADDINOL UTTO EXTRA (SAE 20W-40)
 ARAL FLUID HGS
 VELA C+ LANDINI
 VELA C+ MCCORMICK
 VELA C+ AGROLUBE
 AVIA HYDROFLUID TD
 AVIA HYDROFLUID DLZ
 TECTROL UTTO-ZF
 TECTROL UTTO-HF
 EVOLCA UTTO 8068
 BP VANELLUS AGRI SUPER TRANSMISSION 80W
 BP TRACTRAN TF-10
 BP VANELLUS AGRI SUPER TRANSMISSION 80W
 FARMER POLY 304
 MOTOREX UTTO CF
 FARMER POLY 604
 CASTROL AGRI TRANS PLUS 80W
 CASTROL AGRI TRANS PLUS 10W-30
 CASTROL TRANSMAX AGRI TRANS PLUS 80W
 CASTROL AGRI TRANS PLUS 80W
 CASTROL TRANSMAX AGRI TRANS PLUS 80W
 CEPSA AURIGA TE 55 10W-30
 CHEVRON 1000 THF
 CLAAS AGRISHIFT GA 12
 AVENO UTTO
 EUROL HYKROL JD 68
 MOBILFLUID 424
 MOBILFLUID 426
 MOBIL HYDRAUL 56
 MOBILFLUID 424
 MOBILFLUID 426
 AVIATICON AGRA PREMIUM UTTO
 FUCHS TITAN UTTO ZF (SAE 20W-40)
 FUCHS TITAN AGRIFARM UTTO MP
 FUCHS TITAN AGRIFARM UTTO MP
 G-SPECIAL UTTO 10W-30
 G-SPECIAL UTTO 10W-30
 G-SPECIAL UTTO PREMIUM 10W-30
 GB UNITRANS(R) ZF
 DOOSAN AXLE OIL STANDARD
 GULF MPTF 10W-30
 GULF MPTF 10W-30
 HP SUPERTRAN FM
 XTEER THF 75W-80
 INA TRANSHIDROL JD 50
 INA TRANSHIDROL ZF 20W-40
 INA TRANSHIDROL JD 50
 JCB REAR AXLE OIL
 JOHN DEERE HY-GARD
 KUBOTA UDT-HD
 Q8 T 2000
 JCB HP GEAR OIL PLUS
 JCB HP GEAR OIL PLUS
 JCB HP GEAR OIL PLUS
 Q8 T 2200
 Q8 T 2200
 LIEBHERR GEAR MF 80W
 LIEBHERR GEAR MF 80W
 LIEBHERR GEAR PLUS 20W-40
 LIQUI MOLY SPECIAL UTTO
 LUBRIZOL® 9990AX GP II SAE 10W-30
 MEGOL TRAKTORENOEL UTTO PREMIUM SAE 10W-30
 RW DRIVE FORCE UTTO SAE 10W-30
 LUKOIL VERSO PLUS
 LUKOIL VERSO LVX
 UTTO FLUID 4 D SAE 10W-30
 PANOLIN JD 303
 PANOLIN CONSTAR UTTO 803
 LUBRAX UNITRACTOR SAE 10W-30
 GALP TRALUB 807 S
 MAXITRAK TMS OIL 500
 AMBRA MULTI G (SAE 10W-30)
 AMBRA MULTI G (SAE 10W-30)
 AMBRA MULTI G (SAE 10W-30)
 AMBRA TRX 20W-40 (SAE 20W-40)
 AKCELA TRANSAXLE FLUID 20W-40 (SAE 20W-40)
 AMBRA MULTI G (SAE 10W-30)
 ARBOR MTF (SAE 10W-30)
 AKCELA NEXPLORE (SAE 10W-30)
 AMBRA MULTI G (SAE 10W-30)
 AKCELA NEXPLORE (SAE 10W-30)
 ARBOR MTF (SAE 10W-30)
 AMBRA TRX 20W-40 (SAE 20W-40)
 AKCELA TRANSAXLE FLUID 20W-40 (SAE 20W-40)

Número de homologación de ZF

ZF000509
 ZF001845
 ZF000457
 ZF003717
 ZF003718
 ZF003719
 ZF001811
 ZF003686
 ZF001161
 ZF002193
 ZF004739
 ZF000210
 ZF000897
 ZF002161
 ZF000590
 ZF001158
 ZF002207
 ZF000759
 ZF000950
 ZF002188
 ZF004800
 ZF004801
 ZF001200
 ZF000100
 ZF001289
 ZF001687
 ZF001971
 ZF000040
 ZF000061
 ZF003675
 ZF004764
 ZF004765
 ZF004850
 ZF000661
 ZF002183
 ZF002184
 ZF002211
 ZF003439
 ZF003446
 ZF000870
 ZF001995
 ZF000921
 ZF000922
 ZF003566
 ZF002219
 ZF000400
 ZF000433
 ZF000613
 ZF001502
 ZF001223
 ZF004893
 ZF000177
 ZF001636
 ZF002096
 ZF003538
 ZF003539
 ZF003694
 ZF001856
 ZF004844
 ZF004845
 ZF001368
 ZF003698
 ZF001344
 ZF003350
 ZF002295
 ZF002303
 ZF004769
 ZF000414
 ZF004747
 ZF001366
 ZF000849
 ZF001351
 ZF000544
 ZF000545
 ZF000551
 ZF000658
 ZF000943
 ZF001409
 ZF001461
 ZF001838
 ZF002075
 ZF002092
 ZF002093
 ZF002151
 ZF002152

Fabricante (17E)

PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PHI OIL GMBH, ST. GEORGEN/AT
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE
 SAME DEUTZ FAHR, TREVIGLIO/IT
 SAME DEUTZ FAHR, TREVIGLIO/IT
 SASOL ENERGY, JOHANNESBURG/ZA
 SASOL ENERGY, JOHANNESBURG/ZA
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SEANON PETROCHEMICAL CO.,LTD., LIUZHOU, GUANGXI/CN
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SK LUBRICANTS, SEOUL/KR
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 UNIL OPAL, SAUMUR/FR
 UNIL OPAL, SAUMUR/FR
 VALVOLINE CUMMINS PVT LIMITED, GURGAON/IN
 VALVOLINE EUROPE, DORDRECHT/NL
 VALVOLINE EUROPE, DORDRECHT/NL

Denominación del producto (17E)

AMBRA MULTI G (SAE 10W-30)
 PETRONAS AKCELA NEXPLORE (SAE 10W-30)
 GEAR OIL UTTO SILVER 10W-30
 RAVENOL GETRIEBEOEL UTTO
 REPSOL ORION UTTO
 ROLF UTTO SAE 10W-30
 SDF UTTO
 DF UTTO
 UNIVERSAL TRANSMISSION OIL 68
 SASOL UNIVERSAL TRANSMISSION OIL RS 68
 SAVSOL 315 HAT
 SEANON DEDICATED TRANSMISSION OIL 10W-30
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S6 TXME
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SHELL SPIRAX S4 TXM
 SINOPEC GREATWALL UTTO
 SK ZIC GL-4 ZF 80W
 SRS HYDROFLUID N
 SRS HYDROFLUID A
 TOTAL DYNATRANS MPV
 ELF TRACTELF BF 16
 TOTAL DYNATRANS LS 20W-40
 TOTAL DYNATRANS MPWB
 TOTAL DYNATRANS MPV
 ELF TRACTELF BF 16
 TOTAL DYNATRANS MPX
 UNIL OPAL FLUID G2 VARIO
 UNIL OPAL FLUID MVZ
 VALVOLINE UTF PREMIUM
 UNITRAC 80W
 NESTE GEAR UTTO

Número de homologación de ZF

ZF003443
 ZF004830
 ZF000958
 ZF001718
 ZF003445
 ZF003375
 ZF002229
 ZF002230
 ZF000707
 ZF001828
 ZF001131
 ZF001959
 ZF000357
 ZF000358
 ZF000359
 ZF001295
 ZF001613
 ZF003325
 ZF000105
 ZF003380
 ZF000827
 ZF004867
 ZF000540
 ZF001317
 ZF001346
 ZF001539
 ZF002098
 ZF002099
 ZF002222
 ZF003564
 ZF003565
 ZF002218
 ZF002041
 ZF003473

Clase de lubricantes 17F

Fabricante (17F)

ADDINOL LUBE OIL GMBH, LEUNA/DE

Denominación del producto (17F)

ADDINOL UTTO SPEZIAL

**Número de
homologación de ZF**
ZF000635

Clase de lubricantes 17G

Aceite superior universal para ejes y cajas de cambios

Fabricante (17G)

SINOPEC LUBRICANT CO., LTD., BEIJING/CN
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Denominación del producto (17G)

SINOPEC GREATWALL HD DRIVE AXLE OIL
ZF POWERFLUID PLUS
ZF POWERFLUID C-PLUS

Número de homologación de ZF

ZF002162
ZF001021
ZF002087

Clase de lubricantes 17H**Fabricante (17H)**

ADDINOL LUBE OIL GMBH, LEUNA/DE
 ARAL AG, BOCHUM/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 BP PLC., LONDON/GB
 BUCHER AG LANGENTHAL, LANGENTHAL/CH
 CASTROL LTD, LONDON/GB
 CASTROL LTD, LONDON/GB
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUSEVAC/RS
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FINKE MINERALÖLWERK GMBH, 27374 VISSLHÖVEDE/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE
 GRUPA LOTOS S.A., GDANSK/PL
 GULF OIL INTERNATIONAL, MUMBAI/IN
 INA MAZIVA LTD., ZAGREB/HR
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 LIQUI MOLY GMBH, ULM/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 NIS AD, NOVI SAD/RS
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 OY TEBOIL AB, HELSINKI/FI
 PANOLIN AG, MADETSWIL/CH
 PETROMIN CORPORATION, JEDDAH/SA
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Denominación del producto (17H)

ADDINOL GETRIEBEÖL GX 80W-90 ML
 ARAL GETRIEBEÖL EP PLUS 80W-90
 AVISTA PEER EVO GL4/GL5 SAE 80W-90
 AVISTA PEER EVO PRIME GL4/GL5 SAE 80W-90
 TECTROL MULTIGEAR PLUS 8090
 EVOLCA BGP 80W90
 BP ENERGEAR HT 80W-90
 GEAR ZX TP SAE 80W/90
 CASTROL SYNTRAX UNIVERSAL 80W-90
 CASTROL TRANSMAX UNIVERSAL LL 80W-90
 MULTIGEAR 80W-90
 DELO GEAR TDL 80W-90
 MULTIHIPO 80W-90 F PLUS
 MOBILUBE S 80W-90
 AVIATICON FINKOGEAR SUPER 80W-90
 FUCHS TITAN SUPERGEAR MC SAE 80W-90
 G-TRUCK GL-4/GL-5 80W-90
 OEST GETRIEBEÖL FE SAE 80W-90 GL4/5
 TITANIS SUPER GL-5 80W-90
 GULF GEAR TDL 80W-90
 INA HIPENOL TDL 80W-90
 Q8 GEAR OIL XG SAE 80W-90
 LIQUI MOLY HYPOID GETRIEBEÖL TDL SAE 80W-90
 MEGOL HYPOID-GETRIEBEOEL TDL 80W-90
 NISOTEC HIPO LD ZF SAE 80W-90
 LUKOIL TRANSMISSION UNI 80W-90
 PLATINUM GEAR LL 80W-90
 TEBOIL HYPOID SAE 80W-90
 PANOLIN TOPGEAR 80W/90
 PETROMIN GEAR BOX Z12 SAE 80W90
 SHELL SPIRAX S3 AM 80W-90
 SINOPEC MULTIPURPOSE-II GEAR OIL 80W-90
 SRS GETRIEBEFLUID SML 80W-90
 TRAXIUM DUAL 8 FE 80W-90
 ZF ECOFLUID X SAE 80W-90

Número de homologación de ZF

ZF000672
 ZF000460
 ZF004780
 ZF004797
 ZF001160
 ZF004735
 ZF000200
 ZF001721
 ZF000227
 ZF002143
 ZF000812
 ZF002273
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 ZF000447
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