



## Cambi e assali per carrelli elevatori

## Tabella dei lubrificanti TE-ML 17

Indice	Pagina
<a href="#">1. Classi di lubrificanti benestariati</a> .....	1
<a href="#">2. Limite inferiore d'utilizzo a basse temperature</a> .....	2
<a href="#">3. Spiegazione di note a piè di pagina ed osservazioni</a> .....	2
<a href="#">4. Classi di lubrificanti e prodotti commerciali benestariati</a> .....	3







## 1. Classi di lubrificanti benestariati

Gruppi di prodotto	Lubrificanti ammessi per riempimento servizio <sup>(1)</sup>
Riduttore ad ingranaggi conici GRP8, HFK 100-600, GK20LD, GK25LD, GK40	17A / 17B / 17H
- Cuscinetto corona di rotazione GRP8, HFK 100-600, GK20LD, GK25LD, GK40	Grasso lubrificante Shell Alvania RL3 <sup>(2)</sup>
Riduttore ad ingranaggi conici GK10, GK16, GK20, GK25, GK26LD, GK30	17B / 17H
Cambi epicicloidali GR10	grasso per transmissioni Esso Unirex N2
Riduttori ad ingranaggi cilindrici HFD 80	grasso liquido per transmissioni Klüber Mikrolube GB 00 grasso per transmissioni Klübersynth GE46-1200 <sup>(4)</sup>
Sterzo elettrico EPS3 - Trasmissione - Mozzo ruota	grasso liquido per transmissioni Total MULTIS EP 00 Grasso lubrificante Shell Alvania RL3 <sup>(2)</sup>
Cambi epicicloidali HFS 502, HFS 507, GP18, GP20	17C
Cambi epicicloidali GP21, GP23, GP25	17C
Cambi epicicloidali GP25 senza freno	17A / 17H
Cambi epicicloidali HFP 10, HFP 10A	Grasso lubrificante Shell Alvania RL3 <sup>(2)</sup>
Cambi epicicloidali HFP 20, HFP 40, HFP 50, GR50	17A / 17B / 17H
Assali PR61S, PR20MO, PR40MO, P16MO	17B / 17H
WG 80, WG 81, WG 85, WG 86	Vedere TE-ML 03 <sup>(3)</sup>
- Assali montati	17B / 17H
Assali AT30	17E / 17G
Assali AT35	17E <sup>(5)</sup> / 17F / 17G <sup>(5)</sup>
Assali GPA35	Trasmissione: 17H; Freno a dischi: 17C

La tabella dei lubrificanti TE-ML 17, edizione 01.01.2021  
sostituisce tutte le edizioni precedenti. La rispettiva tabella dei  
lubrificanti aggiornata può essere richiesta ad ogni punto di  
appoggio e servizio assistenza ZF oppure consultata sul sito  
Internet [www.aftermarket.zf.com/lubricants](http://www.aftermarket.zf.com/lubricants).

**ZF Friedrichshafen AG**  
D-88038 Friedrichshafen  
[www.zf.com/contact](http://www.zf.com/contact)

## 2. Limite inferiore d'utilizzo a basse temperature

Classe dei lubrificanti	Tipo di olio / Classi di viscosità	Messa in servizio del veicolo con temperature carter dell'olio
17C	- ATF	- 40°C 
17A, 17B	- SAE 75W-80, 75W-85, 75W-90	- 40°C 
17E, 17F, 17G	- SAE 10W-30, 10W-40, varie	- 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. Spiegazione di note a piè di pagina ed osservazioni

### Note a piè di pagina

- (1) **Per prodotti commerciali validati vedi seguenti pagine.**
- (2) In alternativa può essere utilizzato un grasso universale saponificato a base di litio mescolabile con olio minerale della classe NLGI 3 (denominazione del grasso KP2K-30 secondo DIN 51825 oppure ISO-L-XCCHB2 secondo ISO 6743-9).
- (3) La tabella dei lubrificanti ZF TE-ML 03 aggiornata può essere richiesta ad ogni punto di appoggio e servizio assistenza ZF oppure consultata sul sito Internet [www.zf.com/lubricants](http://www.zf.com/lubricants).
- (4) Solo per magazzino frigorifero.
- (5) I lubrificanti delle classi 17E e 17G possono essere utilizzati solo in caso di sostituzioni di servizio e con assale rodato a partire da un chilometraggio totale del veicolo corrispondente a 1500 ore di servizio. Durante il rodaggio dell'assale (chilometraggio totale del veicolo compreso tra 0 e 1500 km) bisogna utilizzare un lubrificante della classe 17F.

### Osservazioni

Negli altri punti da lubrificare occorre utilizzare un grasso universale saponificato a base di litio mescolabile con olio minerale della classe NLGI 2 (denominazione del grasso KP2K-30 secondo DIN 51825 oppure ISO-L-XCCHB2 secondo ISO 6743-9).

Additivi di qualsiasi tipo che vengono aggiunti all'olio **posteriormente** fanno modificare l'olio in un modo da non prevedere e per questo non sono ammissibili. ZF non assume alcuna responsabilità di tutti i danni derivanti dall'uso di tali additivi.

## 4. Classi di lubrificanti e prodotti commerciali benestariati

### Classe dei lubrificanti 17A

#### Produttore (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  
 PETROCHINA LUBRICANT COMPANY, BEIJING/CN  
 PETROCHINA LUBRICANT COMPANY, BEIJING/CN  
 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  
 PT. PERTAMINA, JAKARTA/ID  
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE  
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES

#### Denominazione prodotto (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  
 ERTOIL 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  
 KUNLUN ZFGO 02B 80W-90  
 KUNLUN ZFGO 02B 85W-90  
 GALP TRANSOIL 80W  
 GALP TRANSOIL 80W90  
 MAXIGEAR TECH EP 80W  
 TUTELA TRANSMISSION STARGEAR HD (SAE 80W)  
 PETRONAS TUTELA MTF 300 HD 80W  
 RORED EPA 80W  
 RAVENOL GETRIEBEÖL MZG SAE 80W-90 GL-4  
 REPSOL CARTAGO EPM 80W

#### Numero di approvazione ZF

ZF000630  
 ZF000701  
 ZF000458  
 ZF001715  
 ZF000678  
 ZF000679  
 ZF004779  
 ZF004792  
 ZF001694  
 ZF001162  
 ZF000665  
 ZF000198  
 ZF001216  
 ZF000600  
 ZF000293  
 ZF001096  
 ZF002133  
 ZF002135  
 ZF002136  
 ZF004861  
 ZF004862  
 ZF000023  
 ZF000087  
 ZF000800  
 ZF000801  
 ZF002276  
 ZF002277  
 ZF000622  
 ZF000077  
 ZF000654  
 ZF001048  
 ZF002313  
 ZF000327  
 ZF000525  
 ZF000948  
 ZF000949  
 ZF003597  
 ZF000256  
 ZF000258  
 ZF000428  
 ZF000471  
 ZF000684  
 ZF000873  
 ZF000874  
 ZF000875  
 ZF000893  
 ZF001034  
 ZF001150  
 ZF001849  
 ZF003436  
 ZF001526  
 ZF001527  
 ZF001765  
 ZF000425  
 ZF000426  
 ZF001447  
 ZF001448  
 ZF001449  
 ZF000166  
 ZF002108  
 ZF000694  
 ZF002054  
 ZF000068  
 ZF001999  
 ZF001116  
 ZF000395  
 ZF000739  
 ZF003413  
 ZF003599  
 ZF000636  
 ZF000360  
 ZF000500  
 ZF001476  
 ZF001477  
 ZF004902  
 ZF004904  
 ZF000767  
 ZF000768  
 ZF001666  
 ZF001028  
 ZF003683  
 ZF001399  
 ZF001109  
 ZF000631

**Produttore (17A)**

REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES  
 RN-LUBRICANTS, LLC, MOSCOW/RU  
 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  
 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  
 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

**Denominazione prodotto (17A)**

REPSOL CARTAGO EPM 90  
 ROSNEFT KINETIC MT 80W-90  
 ROSNEFT MT GL-4 80W-90  
 SHELL SPIRAX MA 80 W  
 SHELL SPIRAX MA 80 W  
 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 ML 4 PLUS SAE 80W  
 SRS WIOLIN ML 4 PLUS SAE 80W-90  
 SRS WIOLIN ML 4 PLUS SAE 90  
 ELF TRANSELF EP 80W  
 ELF TRANSELF EP 80W-90  
 GEAR EP 80W  
 GEAR EP 80W90  
 VALVOLINE GEAR GARD PLUS 80W90  
 HELICOIDAL M (80W)

**Numero di  
approvazione ZF**

ZF000633  
 ZF003448  
 ZF005954  
 ZF000325  
 ZF000326  
 ZF004866  
 ZF004869  
 ZF001727  
 ZF001933  
 ZF001936  
 ZF000715  
 ZF002132  
 ZF000440  
 ZF000445  
 ZF000446  
 ZF001914  
 ZF001915  
 ZF001916  
 ZF002067  
 ZF002068  
 ZF000377  
 ZF001051  
 ZF000985  
 ZF000657



**Produttore (17B)**

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  
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU  
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU  
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU  
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU  
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU  
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU  
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE  
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE  
 GRUPA LOTOS S.A., GDANSK/PL  
 GRUPA LOTOS S.A., GDANSK/PL  
 GRUPA LOTOS S.A., GDANSK/PL  
 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  
 HILL CORPORATION, SHYMKENT/KZ  
 HUILES BERLIET S.A., SAINT-PRIEST/FR  
 HUILES BERLIET S.A., SAINT-PRIEST/FR  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 INA MAZIVA LTD., ZAGREB/HR  
 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  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE  
 MINERVA-OIL SAS, MEUZAC/FR  
 MOL-LUB KFT, ALMASFUZITO/HU  
 MOL-LUB KFT, ALMASFUZITO/HU  
 MOL-LUB KFT, ALMASFUZITO/HU  
 MOOVE LUBRICANTS, GRAVESEND/GB  
 MOOVE LUBRICANTS, GRAVESEND/GB  
 MORRIS LUBRICANTS, SHREWSBURY/GB  
 MOTUL SA, AUBERVILLIERS/FR  
 NILS SPA, BURGSTALL/IT  
 NIS AD, NOVI SAD/RS  
 NIS AD, NOVI SAD/RS  
 NIS AD, NOVI SAD/RS  
 OEL-BRACK AG, HUNZENSCHWIL/CH  
 OILFINO MINERALÖL GMBH, PRISDORF/DE  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 OOO "LLK-INTERNATIONAL", MOSCOW/RU  
 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  
 OY TEBOIL AB, HELSINKI/FI  
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT  
 PANOLIN AG, MADETSWIL/CH  
 PANOLIN AG, MADETSWIL/CH  
 PANOLIN AG, MADETSWIL/CH  
 PAZ LUBRICANTS & CHEMICALS, HAIFA/IL  
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA  
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA  
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA  
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA  
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR  
 PETROGAL S.A., LISBOA/PT  
 PETROGAL S.A., LISBOA/PT  
 PETROGAL S.A., LISBOA/PT  
 PETROL OFISI A.S., ISTANBUL/TR  
 PETROL OFISI A.S., ISTANBUL/TR  
 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

**Denominazione prodotto (17B)**

FUCHS TITAN CYTRAC TD SAE 75W-90  
 FUCHS AGRIFARM GEAR SAE 80W-90  
 PENTOSIN GEAR SAE 80W-90  
 PENTOSIN GEAR PRO SAE 75W-90  
 PENTOSIN GEAR ULTRA SAE 75W-90  
 G-TRUCK GL-5 80W-90  
 GAZPROMNEFT SUPER T-3 SAE 85W90  
 G-BOX GL-4/GL-5 75W-90  
 GAZPROMNEFT GL-4/GL-5 75W-90  
 KAMAZ G-PROFI SERVICE LINE GL-4/GL-5 75W-90  
 GAZPROMNEFT GL-5 80W-90  
 ROSTSELMASH G-PROFI GRIP GL-5 85W-90  
 WEGO GL-5 80W-90  
 OEST SYNTH GETRIEBEÖL SAE 75W-90  
 OEST MEHRZWECK-GETRIEBEÖL SPEZIAL SAE 85W-90  
 TITANIS SUPER GL-5 75W/90  
 LOTOS TITANIS GL-5 80W-90  
 LOTOS TITANIS GL-5 80W-90  
 KIXX GEARTEC X GL-5 80W-90  
 GULF SYNGEAR 75W-90  
 GULF GEAR DB 80W-90  
 GULF GEAR DB 90  
 GULF GEAR DB 85W-90  
 GULF GEAR LD 80W-90  
 GULF GEAR HD 85W-90  
 GULF GEAR LD 80W-90  
 FASTROL MTF5 80W-90  
 RTO LONGEVIA TC ECO 80W-90  
 RTO LONGEVIA TCX ECO 75W-90  
 INA HIPENOL GTL DB 90  
 INA HIPENOL GTL HD 80W-90  
 INA HIPENOL SHD 75W-90  
 Q8 TRANS XGS 75W-90  
 Q8 T 55 SAE 80W-90  
 Q8 T 55 SAE 90  
 Q8 T 55 SAE 80W-90  
 LIEBHERR SYNTOGEAR PLUS 75W-90  
 LIEBHERR GEAR HYPOID 90 EP  
 LIQUI MOLY HYPOID-GETRIEBEÖL GL5 SAE 85W-90  
 LIQUI MOLY VOLL SYN. HYPOID GETR.ÖL TRUCK (75W-90)  
 LIQUI MOLY HYPOID-GETRIEBEÖL GL5 SAE 80W-90  
 MEGOL HYPOID-GETRIEBEÖL GL 5 SAE 85W-90  
 MEGOL GETRIEBEÖL TRUCK-SYNTH SAE 75W-90  
 MEGOL HYPOID-GETRIEBEÖL GL 5 SAE 80W-90  
 PBH EP 75W-90 TDL  
 MOL HYKOMOL K 85W90  
 MOL HYKOMOL ZF 80W90  
 MOL HYKOMOL TDL 75W90  
 COMMA PRO EP 80W-90  
 COMMA PRO EP 75W-90 TDL  
 EP 80W-90 GEAR OIL  
 MOTUL GEAR SYNTH TDL 75W-90  
 ATOIL LIFT SAE 80W90  
 NISOTEC HIPO LD SAE 80W-90  
 NISOTEC HIPO SINT TDL SAE 75W-90  
 MIDLAND SENSOGEAR 75W-90  
 OILFINO VARIUS G 500 80W-90  
 LUKOIL TRANSMISSION TM-5 SAE 80W-90  
 LUKOIL TRANSMISSION TM-5 SAE 85W-90  
 LUKOIL TRANSMISSION TM-5 SAE 90  
 LUKOIL TRANSMISSION B 85W-90  
 LUKOIL TRANSMISSION SYNTH BSX 75W-90  
 LUKOIL TRANSMISSION UNI S 75W-90  
 LUKOIL TRANSMISSION MN 75W-90  
 LUKOIL TRANSMISSION GL-5 80W-90  
 LUKOIL TRANSMISSION GL-5 90  
 LUKOIL TRANSMISSION SYNTH BSX 75W-90  
 OTOKAR SPECTRA DO Z 80W-90  
 PLATINUM GEAR GL-5 80W-90  
 TEBOIL HYPOID SAE 75W-90  
 GLOBAL MULTIGEAR TS SAE 75W/90  
 PANOLIN SUPER DUTY SYNTH 75W/90  
 PANOLIN SUPER DUTY 90  
 PANOLIN SUPER DUTY 80W/90  
 PAZ GEAR LD 80W-90  
 TRAXON 80W-90  
 TRAXON SYNTHETIC 75W-90  
 TRAXON 80W-90  
 LUBRAX TRM 5 SAE 90  
 GALP TRANSOIL HP 80W90  
 GALP TRANSVEX TDL 75W90  
 GALP TRANSOIL HP XT 80W90  
 MAXIGEAR EP-X 80W-90  
 MAXIGEAR D 75W-90  
 MAXIGEAR TECH EP-X 80W-90  
 ARBOR TRW 90 (SAE 80W-90)  
 AMBRA HYPOIDE 90 (SAE 80W-90)  
 AKCELA GEAR 135H EP (SAE 80W-90)  
 AKROS GEAR EP 90 (SAE 80W-90)  
 TUTELA TRANSMISSION W90/LA (SAE 80W-90)

**Numero di approvazione ZF**

ZF003341  
 ZF003624  
 ZF004809  
 ZF004930  
 ZF004931  
 ZF000556  
 ZF000946  
 ZF000962  
 ZF002302  
 ZF003388  
 ZF003509  
 ZF004803  
 ZF004842  
 ZF000491  
 ZF000566  
 ZF000356  
 ZF000923  
 ZF005949  
 ZF003553  
 ZF000863  
 ZF000879  
 ZF000886  
 ZF000887  
 ZF001134  
 ZF001151  
 ZF001950  
 ZF003435  
 ZF001564  
 ZF001566  
 ZF000416  
 ZF000417  
 ZF000977  
 ZF000179  
 ZF002110  
 ZF002112  
 ZF003681  
 ZF001972  
 ZF004912  
 ZF000695  
 ZF001347  
 ZF002053  
 ZF000069  
 ZF001291  
 ZF001998  
 ZF004934  
 ZF001113  
 ZF001118  
 ZF003365  
 ZF003324  
 ZF003420  
 ZF000275  
 ZF000825  
 ZF004883  
 ZF000490  
 ZF002038  
 ZF003680  
 ZF000741  
 ZF001595  
 ZF001596  
 ZF001597  
 ZF001762  
 ZF001763  
 ZF001769  
 ZF003405  
 ZF003408  
 ZF003414  
 ZF005999  
 ZF004755  
 ZF000502  
 ZF001969  
 ZF001224  
 ZF000462  
 ZF001115  
 ZF001117  
 ZF003437  
 ZF000764  
 ZF002212  
 ZF003389  
 ZF001475  
 ZF000772  
 ZF000980  
 ZF001981  
 ZF001499  
 ZF001591  
 ZF001665  
 ZF000007  
 ZF000231  
 ZF000232  
 ZF000233  
 ZF000516



**Classe dei lubrificanti 17C****Produttore (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  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BAYWA AG MÜNCHEN, MÜNCHEN/DE  
 BUCHER AG LANGENTHAL, LANGENTHAL/CH  
 CEPESA COMERCIAL PETRÓLEO S.A.U., MADRID/ES  
 CEPESA 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  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 LIQUI MOLY GMBH, ULM/DE  
 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

**Denominazione prodotto (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  
 CEPESA ATF 3000 S  
 CEPESA 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  
 LIQUI MOLY TOP TEC ATF 1100  
 LIQUI MOLY MARINE ATF  
 LIQUI MOLY ATF III  
 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

**Numero di approvazione ZF**

ZF004823  
 ZF000698  
 ZF003702  
 ZF004910  
 ZF002128  
 ZF002129  
 ZF002296  
 ZF002297  
 ZF002311  
 ZF002312  
 ZF004774  
 ZF004775  
 ZF004798  
 ZF004799  
 ZF003609  
 ZF000386  
 ZF002040  
 ZF001574  
 ZF001664  
 ZF001714  
 ZF000385  
 ZF000951  
 ZF000043  
 ZF000044  
 ZF000717  
 ZF003602  
 ZF001955  
 ZF004918  
 ZF004919  
 ZF000620  
 ZF003429  
 ZF004887  
 ZF000248  
 ZF000390  
 ZF000392  
 ZF002314  
 ZF003726  
 ZF004926  
 ZF004927  
 ZF004928  
 ZF004928  
 ZF004922  
 ZF001251  
 ZF001895  
 ZF004917  
 ZF002268  
 ZF001125  
 ZF003623  
 ZF003321  
 ZF000048  
 ZF001177  
 ZF001218  
 ZF004790  
 ZF002120  
 ZF001425  
 ZF001667  
 ZF000481  
 ZF000993  
 ZF003635  
 ZF004757  
 ZF000318  
 ZF001751  
 ZF001371  
 ZF001812  
 ZF001360  
 ZF003348  
 ZF003354  
 ZF001350  
 ZF003710  
 ZF001363





**Produttore (17E)**

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  
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB  
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN  
 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  
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE

**Denominazione prodotto (17E)**

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  
 SHELL SPIRAX S4 TXM  
 SINOPEC GREATWALL UTTO  
 SINOPEC 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  
 WOLF TRACTOFLUID 170 BM

**Numero di approvazione ZF**

ZF000958  
 ZF001718  
 ZF003445  
 ZF003375  
 ZF002229  
 ZF002230  
 ZF000707  
 ZF001828  
 ZF001131  
 ZF001959  
 ZF000357  
 ZF000358  
 ZF000359  
 ZF001295  
 ZF001613  
 ZF003325  
 ZF005938  
 ZF000105  
 ZF004916  
 ZF003380  
 ZF000827  
 ZF004867  
 ZF000540  
 ZF001317  
 ZF001346  
 ZF001539  
 ZF002098  
 ZF002099  
 ZF002222  
 ZF003564  
 ZF003565  
 ZF002218  
 ZF002041  
 ZF003473  
 ZF005951

**Classe dei lubrificanti 17F**

**Produttore (17F)**

ADDINOL LUBE OIL GMBH, LEUNA/DE

**Denominazione prodotto (17F)**

ADDINOL UTTO SPEZIAL

**Numero di  
approvazione ZF**  
ZF000635

**Classe dei lubrificanti 17G**

Olio universale premium per assali e cambi

**Produttore (17G)**

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

**Denominazione prodotto (17G)**

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

**Numero di  
approvazione ZF**

ZF002162  
ZF002087  
ZF005995

**Classe dei lubrificanti 17H****Produttore (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 VISSELHÖVEDE/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 LUBRICANTS, 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

**Denominazione prodotto (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

**Numero di approvazione ZF**

ZF000672  
 ZF000460  
 ZF004780  
 ZF004797  
 ZF001160  
 ZF004735  
 ZF000200  
 ZF001721  
 ZF000227  
 ZF002143  
 ZF000812  
 ZF002273  
 ZF001456  
 ZF000776  
 ZF002299  
 ZF000722  
 ZF000554  
 ZF000565  
 ZF001098  
 ZF000780  
 ZF000432  
 ZF002103  
 ZF001323  
 ZF001183  
 ZF001362  
 ZF002259  
 ZF000311  
 ZF001970  
 ZF000423  
 ZF001966  
 ZF001292  
 ZF003332  
 ZF000447  
 ZF004817  
 ZF001266