



Industrial Technology

Assali per macchine edili

Tabella dei lubrificanti TE-ML 05

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La tabella dei lubrificanti TE-ML 05, **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.

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www.zf.com/contact

1. Prodotti attuali








Gruppi di prodotto	Gamme	Lubrificanti ammessi per riempimento servizio ⁽¹⁾
Compressore	MT-C 3035, MT-C 3065, MT-C 3075	05C
Motolivellatrice	MT-G 3070, MT-G 3075, MT-G 3080, MT-G 3085, MT-G 3090, WH-L3065, WH-L3075	ZF PowerFluid Plus 05E / 05F / 05G / 05H
Dumper	Assale/mozzo ruota: MT-D 3105	ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05H
	Freno: MT-D 3105, WH-D 3105	ZF PowerFluid Plus 05E / 05F / 05G / 05H
	Gruppi assali	ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05H
	MT-D 3085 II, MT-D 3095 II	ZF PowerFluid Plus 05E / 05F / 05G / 05H
Pala gommata	MT-L 3065, MT-L 3075, MT-L 3085, MT-L 3095, MT-L 3105, MT-L 3110, MT-L 3115, MT-L 3125, MT-L 3135 AP-410, AP-412, AP-L 3085, AP-L 3095	ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05H
Escavatrice	Ponte posteriore: MT-B 3065, MT-B 3070, MT-2075, MT-2085, MS-B 3070	ZF PowerFluid Plus 05E / 05F / 05G / 05H
	Treno avanti: MS-B 3025, MS-2045, MS-B 3055	ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05H
Caricatrice telescopica	MS-T 3045, MS-T 3055, MS-T 3060	ZF PowerFluid Plus 05E / 05F / 05G / 05H
Caricatrice compatta	AV230	05A / 05C
	MT-L 3015, MS-L 3015, MT-L 3020, MT-L 3045, MT-L 3055	ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05H
Escavatore mobile	MS-E 3050, MT-E 3050, MS-E 3060, MT-E 3060, MS-E 3070, MT-E 3070	ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05H

2. Prodotti non elencati nel dettaglio

Gruppi di prodotto	Lubrificanti ammessi per riempimento servizio ⁽¹⁾	
	senza	con
	con freni a dischi e / o differenziali autobloccanti a dischi	
Assali Differenziali Gruppi assali Mozzi ruota	ZF PowerFluid Plus 05A / 05C 05E / 05F / 05G / 05H	ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05H
Assali, differenziali e gruppi assali con ruotismo ipoide	05A / 05C	05C

Avvertenza: APL 9000 vedere TE-ML 12

3. Oli idraulici

Gruppi di prodotto	Lubrificanti ammessi per riempimento servizio ⁽¹⁾	Utilizzo con temperatura esterna
Impianto idraulico freno, blocco differenziale idraulico (DHL) e sterzo	05L	- 40°C 
	Lubrificanti secondo JDM J20D	- 40°C 
	05E / 05F (solo Lubrificanti secondo JDM J20C), 05G	- 30°C 
	05K	- 30°C 
	05M (ISO VG 32)	- 40°C  + 20°C
	05M (ISO VG 46)	- 10°C 
	05M (ISO VG 68)	- 5°C 

4. Zone di ingrassaggio

Gruppi di prodotto	Grasso di lubrificazione
Supporti oscillanti assali motolivellatrici: MT-G 3070, MT-G 3075, MT-G 3080, MT-G 3085, MT-G 3090	ZF Powergrease (ZF P/N 0671 090 354) Total Aerogrease N 31089 Shell Aeroshell Grease 22 Intervalli di lubrificazione secondo rispettivi prescrizioni di lubrificazione e manutenzione
Altro	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). Intervalli di lubrificazione secondo rispettivi prescrizioni di lubrificazione e manutenzione

5. Intervalli di sostituzione dell'olio

5.1 Intervallo di prima sostituzione dell'olio

Classe dei lubrificanti	05A, 05C	05F, 05H	ZF PowerFluid Plus 05E / 05G
Classe di carico utile	Intervalli di sostituzione dell'olio		
1	1500 h	2000 h	2000 h
2	1000 h	1500 h	1500 h
3	500 h	1000 h	1000 h

Avvertenza: Il riempimento in fabbrica originale di ZF deve restare nell'assale almeno per le prime 500 ore di servizio. Non è consigliato un cambio dell'olio anticipato.

5.2 Intervalli di sostituzione dell'olio seguenti

Classe dei lubrificanti	05A, 05C	05F, 05H	ZF PowerFluid Plus 05E / 05G
Classe di carico utile	Intervalli di sostituzione dell'olio		
1	1500 h	2000 h	4000 h
2	1000 h	1500 h	3000 h
3	500 h	1000 h	2000 h

6. Classi di carico utile

Classe di carico utile	Esempi d'impiego
1	- Escavatore mobile con tasso di guida ridotto (<25%) e macchine per la movimentazione di materiali vari - Pale gommate e Dumper con ridotta percentuale dell'utilizzo del freno d'esercizio - Altri sistemi assali senza freni a bagno d'olio
2	- Escavatore mobile con tasso di guida elevato (>25%) e macchine per la movimentazione del legno - Pale gommate, spianatrici, telehandler, Dumper - Caricatori-escavatori in normali condizioni di impiego - Compressore
3	- Pale gommate e Dumper, frenata difficile - Caricatori-escavatori in condizioni di impiego estreme - In linea generale tutti i veicoli a temperature esterne > 40°C

7. Spiegazione di note a piè di pagina ed osservazioni**Note a piè**

- (1) I lubrificanti delle classi di lubrificanti elencate vanno utilizzati per le sostituzioni di servizio secondo gli intervalli di sostituzione dell'olio riportati nel par 5. Ulteriori requisiti sono applicabili per i lubrificanti di riempimento dei stabilimenti ZF.

Osservazioni

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.

8. Classi di lubrificanti e prodotti commerciali benestariati

Classe dei lubrificanti 05A

Olio per cambi

Classi di viscosità: SAE 75W-90 / 75W-110 / 75W-140 / 80W-90 / 80W-110 / 80W-140 / 85W-90 / 85W-110 / 85W-140 / 90

Produttore (05A)

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
 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
 BASF SE, LUDWIGSHAFEN/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
 BP PLC., LONDON/GB
 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
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 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 ABE, ATHENS/GR
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS
 ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS
 ENI S.P.A., ROME/IT
 ENI S.P.A., ROME/IT
 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

Denominazione prodotto (05A)

ADDINOL GETRIEBEÖL GX 80W-90 ML
 ADDINOL GETRIEBEÖL GH 75 W 90 SL
 ADDINOL GETRIEBEÖL GH 85 W 140
 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 EP PLUS 80W-90
 ARAL GETRIEBEÖL HYP 85W-140
 AVISTA PEER EVO GL4/GL5 SAE 80W-90
 AVISTA PEER EVO PRIME GL4/GL5 SAE 80W-90
 SPAREX EP 90 GL-5
 SPAREX EP 80W-90 GL-5
 SPAREX EP 85W-140 GL-5
 EMGARD UAF 4209
 EMGARD RW-A, SAE 75W-90
 EMGARD HP 75W-90
 EMGARD UAF 7105
 TECTROL MULTIGEAR PLUS 8090
 BELGIN LUBEX MITRAS AX SYN ULTRA 75W-90
 EVOLCA SGP 75W90
 EVOLCA BGP 80W90
 BP ENERGEGEAR HT 80W-90
 BP ENERGEGEAR HYPO XL 80W-90
 BP ENERGEGEAR SHX-M 75W-90
 BP ENERGEGEAR HYPO 85W-140
 BP ENERGEGEAR HYPO 80W-90
 UNISYNT ZX SAE 75W90
 YORK 896 75W90
 GEAR ZX TP SAE 80W/90
 GEAR ZX TP SAE 80W/140
 GEAR OIL HYPOID SAE80W/90
 PENTA TL SAE 75W/90
 UNIVERSAL CT SAE 80W/90
 CASTROL SYNTRAX UNIVERSAL 80W-90
 CASTROL AXLE LONG DRAIN 80W-90
 CASTROL SYNTRAX LONG LIFE 75W-90
 CASTROL AXLE EPX 85W-140
 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 80W-90
 CASTROL TRANSMAX UNIVERSAL LL 75W-90
 CASTROL TRANSMAX AXLE EPX 85W-140
 CASTROL TRANSMAX AXLE EPX 80W-90
 CASTROL AXLE EPX 80W-90
 CASTROL TRANSMAX AXLE LONG DRAIN 80W-90
 CEPSA TRANSMISIONES EP 80W-90
 CEPSA TRANSMISIONES EP 85W-140
 CEPSA TRANSMISIONES EP FE+LD 75W-90
 MAN SUPER AXLE 3343 75W-90
 MAN SUPER AXLE 342-M2
 CHAMPION OEM SPECIFIC 75W90 GL 5
 MULTIGEAR 80W-90
 MULTIGEAR PREMIUM EP SAE 85W-140
 MULTIGEAR EP-5 SAE 80W-90
 DELO GEAR EP-5 SAE 85W-140
 DELO GEAR EP-5 SAE 80W-90
 DELO GEAR TDL 80W-90
 DELO SYN-GEAR XS 75W-140
 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 UNI GEAR LD 75W90
 TOR UNI GEAR 75W110 LD
 EKO GEAROL-5 80W-90
 MULTIHIPO 75W-90 SINT
 MULTIHIPO 80W-90 F PLUS
 MULTIHIPO 80W-140 F PLUS
 ENI ROTRA MP 80W-90
 ENI ROTRA MP 85W-140
 ENI ROTRA LSX 75W-90
 ENI ROTRA MP 75W-90
 MOBILUBE 1 SHC 75W-90
 MOBILUBE HD-A PLUS 80W-90
 MOBIL DELVAC SYNTHETIC GEAR OIL 75W-90
 MOBIL DELVAC SYNTHETIC GEAR OIL 80W-140

Numero di approvazione ZF

ZF000672
 ZF002260
 ZF003561
 ZF003620
 ZF000133
 ZF000135
 ZF000142
 ZF000460
 ZF000930
 ZF004780
 ZF004797
 ZF002316
 ZF002317
 ZF002318
 ZF000363
 ZF000917
 ZF001716
 ZF001876
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 ZF000205
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 ZF001721
 ZF001722
 ZF002005
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 ZF000229
 ZF000230
 ZF000910
 ZF001320
 ZF001471
 ZF001754
 ZF002142
 ZF002143
 ZF002144
 ZF002145
 ZF002163
 ZF004752
 ZF004885
 ZF000084
 ZF000085
 ZF000086
 ZF000965
 ZF000966
 ZF003554
 ZF000812
 ZF001196
 ZF002137
 ZF002254
 ZF002270
 ZF002273
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 ZF003353
 ZF003442
 ZF002088
 ZF000829
 ZF001604
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 ZF000968
 ZF003351
 ZF000653
 ZF001456
 ZF001749
 ZF000855
 ZF000856
 ZF000860
 ZF003364
 ZF000041
 ZF000042
 ZF000763
 ZF000769

Produttore (05A)

EXXONMOBIL CORPORATION, HOUSTON, TX/US
EXXONMOBIL CORPORATION, HOUSTON, TX/US
EXXONMOBIL CORPORATION, HOUSTON, TX/US
EXXONMOBIL CORPORATION, HOUSTON, TX/US
FINKE MINERALÖLWERK GMBH, 27374 VISSELHÖVEDE/DE
FINKE MINERALÖLWERK GMBH, 27374 VISSELHÖVEDE/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
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
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
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
HILL CORPORATION, SHYMKENT/KZ
HUILES BERLIET S.A., SAINT-PIERST/FR
HUILES BERLIET S.A., SAINT-PIERST/FR
INA MAZIVA LTD., ZAGREB/HR
INA MAZIVA LTD., ZAGREB/HR
INGRAX INDUSTRIA E COMERCIO DE GRAXA S/A, DUQUE DE CAXIAS/BR
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
LIQUI MOLY GMBH, ULM/DE
LIQUI MOLY GMBH, ULM/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
MOOVE LUBRICANTS, GRAVESSEND/GB
MOOVE LUBRICANTS, GRAVESSEND/GB
MORRIS LUBRICANTS, SHREWSBURY/GB
MORRIS LUBRICANTS, SHREWSBURY/GB
MOTUL SA, AUBERVILLIERS/FR
NIS AD, NOVI SAD/RS
NIS AD, NOVI SAD/RS
OEL-BRACK AG, HUNZENSCHWIL/CH
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
OY TEBOil AB, HELSINKI/FI
OY TEBOil AB, HELSINKI/FI
PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
PANOLIN AG, MADETSWIL/CH
PANOLIN AG, MADETSWIL/CH
PANOLIN AG, MADETSWIL/CH
PAZ LUBRICANTS & CHEMICALS, HAIFA/IL

Denominazione prodotto (05A)

MOBILUBE S 80W-90
MOBIL DELVAC 1 GEAR OIL 75W-90
MOBIL DELVAC 1 GEAR OIL 80W-140
MOBIL DELVAC ULTRA TOTAL DRIVELINE 75W-90
AVIATICON FINKOGEAR PREMIUM 75W-90
AVIATICON FINKOGEAR SUPER 80W-90
FUCHS TITAN CYTRAC HSY SAE 75W-90
FUCHS TITAN GEAR HYP LD SAE 80W-90
FUCHS TITAN SUPERGEAR SAE 80W-90
FUCHS TITAN SUPERGEAR SAE 85W-140
FUCHS TITAN SUPERGEAR MC SAE 80W-90
FUCHS TITAN CYTRAC RR SAE 75W-90
GEARWAY S5 75W-90
GEARWAY G5 80W-90
PENTOSIN GETRIEBEÖL O-226 80W-90
FUCHS TITAN CYTRAC TD SAE 75W-90
FUCHS AGRIFARM GEAR SAE 80W-90
PENTOSIN GEAR SAE 80W-90
PENTOSIN GEAR SAE 85W-140
FUCHS TITAN SUPERGEAR SAE 85W-110
PENTOSIN GEAR PRO SAE 75W-90
PENTOSIN GEAR ULTRA SAE 75W-90
G-TRUCK GL-4/GL-5 80W-90
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
G-TRUCK GL-5 85W-140
OEST SYNTH GETRIEBEÖL SAE 75W-90
OEST GETRIEBEÖL FE SAE 80W-90 GL4/5
TITANIS SUPER GL-5 80W/140
TITANIS SUPER GL-5 75W/90
TITANIS SUPER GL-5 80W-90
LOTOS TITANIS GL-5 80W-90
KIXX GEARTEC X GL-5 80W-90
GULF GEAR TDL 80W-90
GULF SYNGEAR 75W-90
GULF GEAR LD 80W-90
GULF GEAR LD 80W-90
FASTROIL MTF5 80W-90
RTO LONGEVIA TC ECO 80W-90
RTO LONGEVIA TCX ECO 75W-90
INA HIPENOL TDL 80W-90
INA HIPENOL SHD 75W-90
MULTIGEROL 85W140
Q8 TRANS XGS 75W-90
Q8 TRANS XGR 75W-140
Q8 T 66 SAE 75W-110
Q8 AXLE OIL XG SAE 80W-140
Q8 GEAR OIL XG SAE 80W-90
Q8 SYNTHETIC GEAR OIL SAE 80W-140
LIEBHERR SYNTOGEAR PLUS 75W-90
LIQUI MOLY HYPOID GETRIEBEÖL TDL SAE 80W-90
LIQUI MOLY VOLLSYN. HYPOID GETR.ÖL TRUCK (75W-90)
MEGOL HYPOID-GETRIEBEOEL TDL 80W-90
MEGOL GETRIEBEOEL TRUCK-SYNTH SAE 75W-90
PBH EP 75W-90 TDL
MOL HYKOMOL ZF 80W90
MOL HYKOMOL TDL 75W90
COMMA PRO EP 80W-90
COMMA PRO EP 75W-90 TDL
EP 80W-90 GEAR OIL
EP 85W-140
MOTUL GEAR SYNTH TDL 75W-90
NISOTEC HIPO LD ZF SAE 80W-90
NISOTEC HIPO SINT TDL SAE 75W-90
MIDLAND SENSOGEAR 75W-90
LUKOIL TRANSMISSION TM-5 SAE 80W-90
LUKOIL TRANSMISSION TM-5 SAE 85W-140
LUKOIL TRANSMISSION SYNTH BSX 75W-90
LUKOIL TRANSMISSION UNI S 75W-90
LUKOIL TRANSMISSION UNI 80W-90
LUKOIL TRANSMISSION MN 75W-90
LUKOIL TRANSMISSION GL-5 80W-90
LUKOIL TRANSMISSION GL-5 90
LUKOIL TRANSMISSION GL-5 85W-140
LUKOIL TRANSMISSION SYNTH BSX 75W-90
OTOKAR SPECTRA DO Z 80W-90
PLATINUM GEAR LL 80W-90
TEBOIL HYPOID SAE 75W-90
TEBOIL HYPOID SAE 80W-90
TEBOIL HYPOID SAE 80W-140
GLOBAL MULTIGEAR TS SAE 75W/90
GLOBAL GEAR SA SAE 85W-140
PANOLIN TOPGEAR 80W/90
PANOLIN SUPER DUTY SYNTH 75W/140
PANOLIN SUPER DUTY SYNTH 75W/90
PAZ GEAR LD 80W-90

Numero di approvazione ZF

ZF000776
ZF001681
ZF001682
ZF003699
ZF002249
ZF002299
ZF000642
ZF000645
ZF000647
ZF000650
ZF000722
ZF000732
ZF001030
ZF001036
ZF001195
ZF003341
ZF003624
ZF004809
ZF004810
ZF004810
ZF004921
ZF004930
ZF004931
ZF000554
ZF000962
ZF002302
ZF003388
ZF003509
ZF004803
ZF004842
ZF004903
ZF000491
ZF000565
ZF000353
ZF000356
ZF001098
ZF005949
ZF003553
ZF000780
ZF000863
ZF001134
ZF001950
ZF003435
ZF001564
ZF001566
ZF000432
ZF000977
ZF001630
ZF000179
ZF000853
ZF000926
ZF002102
ZF002103
ZF002105
ZF001972
ZF001323
ZF001347
ZF001183
ZF001291
ZF004934
ZF001118
ZF003365
ZF003324
ZF003420
ZF000275
ZF001670
ZF000825
ZF001362
ZF002038
ZF003680
ZF001595
ZF001603
ZF001763
ZF001769
ZF002259
ZF003405
ZF003408
ZF003414
ZF003415
ZF005999
ZF004755
ZF000311
ZF001969
ZF001970
ZF002039
ZF001224
ZF001831
ZF000423
ZF000434
ZF000462
ZF003437

Produttore (05A)

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
ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Denominazione prodotto (05A)

VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90 LD
VALVOLINE HEAVY DUTY AXLE OIL PRO 75W-140
NESTE PRO AXLE TDL 75W-90
VEEDOL TRANSMISSION SYNTHETIC LD 75W-90
WOLF OFFICIALTECH 75W90 GL 5
BVX 1000 75W-90
DIVINOL MULTI-AXLE 80W90
ZF ECOFLUID X SAE 80W-90

**Numero di
approvazione ZF**

ZF001837
ZF001874
ZF003631
ZF001629
ZF003525
ZF001612
ZF001684
ZF001266

Classe dei lubrificanti 05C

Olio per cambi con additivi "limited slip"

Classi di viscosità: SAE 75W-90 / 75W-110 / 75W-140 / 80W-90 / 80W-110 / 80W-140 / 85W-90 / 85W-110 / 85W-140 / 90

Produttore (05C)

ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 ARAL AG, BOCHUM/DE
 ARAL AG, BOCHUM/DE
 AVIA AG, MÜNCHEN/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR
 BLASER SWISSLUBE AG, HASLE-RÜEGSAU/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
 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
 CLASS KGAA MBH, HARSEWINKEL/DE
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FINKE MINERALÖLWERK GMBH, 27374 VISSELHÖVEDE/DE
 FUCHS PETROLUB SE, MANNHEIM/DE
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GAZPROMNEFT-LUBRICANTS, MOSCOW/RU
 GEORG OEST MINERALÖLWERK GMBH & CO.KG, FREUDENSTADT/DE
 GRUPA LOTOS S.A., GDANSK/PL
 GRUPA LOTOS S.A., GDANSK/PL
 GS CALTEX CORPORATION, SEOUL/KR
 GULF OIL INTERNATIONAL, MUMBAI/IN
 HINDUSTAN PETROLEUM CORPORATION LTD., MUMBAI/IN
 HITACHI CONSTRUCTION MACHINERY EUROPE NV, AMSTERDAM/NL
 INA MAZIVA LTD., ZAGREB/HR
 INDIAN OIL CORPORATION LTD, MUMBAI/IN
 INDIAN OIL CORPORATION LTD, MUMBAI/IN
 JOHN DEERE, MOLINE, ILLINOIS/US
 JOHN DEERE, MOLINE, ILLINOIS/US
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIQUI MOLY GMBH, ULM/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MOL-LUB KFT, ALMASFUZITO/HU
 MOL-LUB KFT, ALMASFUZITO/HU
 MORRIS LUBRICANTS, SHREWSBURY/GB
 NILS SPA, BURGSTALL/IT
 NORTHLAND PRODUCTS COMPANY, WATERLOO, IOWA/US
 NORTHLAND PRODUCTS COMPANY, WATERLOO, IOWA/US
 OILFINO MINERALÖL GMBH, PRISDORF/DE
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 OY TEBOIL AB, HELSINKI/FI
 PAKELO MOTOR OIL, SAN BONIFACIO (VR)/IT
 PANOLIN AG, MADETSWIL/CH
 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
 PHI OIL GMBH, ST. GEORGEN/AT
 PTT OIL AND RETAIL BUSINESS PLC., BANGKOK/TH
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 RN-LUBRICANTS, LLC, MOSCOW/RU
 RN-LUBRICANTS, LLC, MOSCOW/RU
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE
 SASOL ENERGY, JOHANNESBURG/ZA
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB

Denominazione prodotto (05C)

ADDINOL GETRIEBEÖL GH 85W-90 LS
 ADDINOL GETRIEBEÖL GH 80W-90 LS
 ARAL GETRIEBEÖL BS-LSX 75W-140
 ARAL GETRIEBEÖL HYP LS 85W-90
 AVIA HYPOID 90 LS
 PENNASOL LIMITED SLIP HYPOID GEAR OIL LS SAE 90
 AVISTA PEER EVO GL5 LS SAE 90
 TECTROL MULTIGEAR LS 90
 TECTROL MULTIGEAR LS 90
 BELGEAR LS 85W90
 EVOLCA BGX 85W90
 MOTOREX UNIVERSAL LS SAE 90
 CASTROL SYNTRAX LIMITED SLIP 75W-140
 CASTROL AXLE Z LIMITED SLIP 90
 CASTROL AXLE Z LIMITED SLIP 90
 CASTROL AXLE Z LIMITED SLIP 85W-90
 CASTROL TRANSMAX LIMITED SLIP LL 75W-140
 CASTROL TRANSMAX LIMITED SLIP Z 85W-90
 CEPSA AURIGA LS PLUS 80W-90
 CHAMPION OEM SPECIFIC 80W90 LS GL 5
 GEAR OIL ZF SAE 80W-90
 GEARTEX LS 80W-90
 GEARTEX LS 85W-90
 GEARTEX LS SAE 85W-140
 CLAAS AGRISHIFT BLS 90
 MOBILUBE LS 85W-90
 GEARLUBE VS 500
 AVIATICON HYPOID LS 90
 FUCHS TITAN GEAR LS SAE 90
 G-TRUCK LS 80W-90
 G-TRUCK LS 85W-140
 G-TRUCK LS 85W-90
 OEST GETRIEBEÖL HYPOID LS 90
 LOTOS TITANIS LS GL-5 80W-90
 LOTOS TITANIS LS GL-5 SAE 85W-140
 DOOSAN LS GEAR OIL 80W90
 GULF GEAR LS 90
 HP GEAR OIL ZFL 80W 90 LS
 HITACHI GENUINE AXLE OIL ZX-W LS 80W-90
 INA HIPENOL GTL LS 90
 SERVO GEAR SUPER LS 90
 SERVO GEAR SUPER LS 80W-90
 JOHN DEERE GL-5 GEAR LUBRICANT W/LS ADD 80W-90
 JOHN DEERE GL-5 GEAR LUBRICANT W/LS ADD 85W-140
 Q8 T 45 LS SAE 90
 LIEBHERR GEAR BASIC 90 LS
 LIQUI MOLY HYPOID-GETRIEBEÖL PLUS GL 5 LS 85W-90
 MEGOL HYPOID-GETRIEBEÖL AXLE LS SAE 85W-90
 MOL HYKOMOL LS 85W140
 MOL HYKOMOL LS 85W90
 TERRAIN LS 80W-90
 ALGOL HYPOID LS 90
 POSI-GRIP JDZF 80W90
 POSI-GRIP JDZF 85W140
 OILFINO VARIUS G 400LS 85W-90
 LUKOIL TRANSMISSION LS 80W-90
 LUKOIL TRANSMISSION LS 85W-90
 PLATINUM GEAR LS 80W-90
 PLATINUM AGRO LS 80W-90
 PLATINUM GEAR LS 85W-140
 TEBOIL HYPOID LS 80W-90
 UNIVERSAL GEAR EP LS SAE 85W/90
 PANOLIN SUPER DUTY LS 90
 GALP TRANSOIL HP LS 90
 MAXIGEAR EP-X 85W-90LS
 AMBRA AXF 80W-90 (SAE 80W-90)
 AKCELA AXLEPOWER (SAE 80W-90)
 AKROS AXLEGEAR 80W-90 (SAE 80W-90)
 TUTELA TRANSMISSION W90/LS (SAE 80W-90)
 ARBOR TTF (SAE 80W-90)
 SUPERGEAR BRONZE 85W90 LS
 PTT LIMITED SLIP (SAE 80W-90)
 RAVENOL SPERRDIFF..GETR.-OEL LS 90
 REPSOL CARTAGO EP AUTOBLOCANTE SAE 80W90
 TNK TRANS GIPOID LS 80W-90
 TNK TRANS GIPOID LS 85W-90
 ROLF TRANSMISSION M5 A-LS 80W-90
 SASOL DIFFERENTIAL OIL LIMITED SLIP 80W-90
 SAVSOL AUTOGEAR 85W140 LIMITED SLIP GL5
 SAVSOL AUTOGEAR 90 LIMITED SLIP GL-5
 SHELL SPIRAX S3 ALS 80W-90
 SHELL SPIRAX S3 ALS 85W- 90

Numero di approvazione ZF

ZF000629
 ZF000703
 ZF000140
 ZF000465
 ZF003689
 ZF000844
 ZF004776
 ZF001167
 ZF004895
 ZF002257
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 ZF000727
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 ZF001004
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 ZF001180
 ZF000981
 ZF000761
 ZF000791
 ZF003625
 ZF000700
 ZF001857
 ZF001898
 ZF001303
 ZF004813

Produttore (05C)

SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SK LUBRICANTS, SEOUL/KR
 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
 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
 YACCO SAS, ST PIERRE LES ELBEUF/FR

Denominazione prodotto (05C)

SINOPEC GREATWALL ZLS GL-5 85W/90
 SK ZIC G-5 LSD 80W-90
 SRS WIOLIN RSH
 TOTAL DYNATRANS DA 80W-90
 TOTAL DYNATRANS DA 85W-140
 TOTAL DYNATRANS LS 80W-90
 ELF TRACTELF BLS 80W-90
 GULF LS REAR AXLE 80W-90
 TOTAL DYNATRANS DA 80W-90
 GEAR AB-EP 85W90
 GEAR DURA 80W90 LS
 VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90 LS
 NESTE AXLE LS 80W-90
 WOLF OFFICIALTECH 80W90 LS GL 5
 BVX LS 200 80W-90

**Numero di
approvazione ZF**

ZF000127
 ZF003340
 ZF000442
 ZF001255
 ZF001512
 ZF001545
 ZF001546
 ZF001548
 ZF002309
 ZF000526
 ZF001465
 ZF001996
 ZF004847
 ZF003552
 ZF001614

Classe dei lubrificanti 05E

Olio universale per assali e cambi

Produttore (05E)

CNH INDUSTRIAL AMERICA LLC, RACINE, WI/US

Denominazione prodotto (05E)

PREMIUM TRANSAXLE OIL 80W-140

**Numero di
approvazione ZF**
ZF005941

Produttore (05F)

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
 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., LUZHOU, 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
 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 (05F)

AMBRA TRX 80W-140 (SAE 80W-140)
 AKCELA TRANSAXLE FLUID 80W-140 (SAE 80W-140)
 AMBRA TRX 20W-40 (SAE 20W-40)
 AKCELA TRANSAXLE FLUID 20W-40 (SAE 20W-40)
 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
 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**

ZF002138
 ZF002139
 ZF002151
 ZF002152
 ZF003443
 ZF004830
 ZF000958
 ZF001718
 ZF003445
 ZF003375
 ZF002229
 ZF002230
 ZF000707
 ZF001828
 ZF001131
 ZF001959
 ZF000357
 ZF000358
 ZF000359
 ZF001295
 ZF001613
 ZF003325
 ZF005938
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 ZF003380
 ZF000827
 ZF004867
 ZF000540
 ZF001317
 ZF001346
 ZF001539
 ZF002098
 ZF002099
 ZF002222
 ZF003564
 ZF003565
 ZF002218
 ZF002041
 ZF003473
 ZF005951

Classe dei lubrificanti 05G

Olio universale premium per assali e cambi

Produttore (05G)

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

Denominazione prodotto (05G)

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

**Numero di
approvazione ZF**

ZF002162
ZF002087
ZF005995

Classe dei lubrificanti 05H

Oli lubrificante biodegradabile

Classe di viscosità: SAE 75W-80

Nota relativa all'utilizzo di oli lubrificanti biodegradabili:

In caso di passaggio ad un olio lubrificante biodegradabile occorre attenersi alle prescrizioni in materia di sostituzione della qualità dell'olio contenute nella descrizione del prodotto del produttore del lubrificante.

Produttore (05H)

PANOLIN AG, MADETSWIL/CH

Denominazione prodotto (05H)

PANOLIN BIOFLUID LS

**Numero di
approvazione ZF**

ZF001206

Classe dei lubrificanti 05K

Olio motore

Classe di viscosità: SAE 10W, 10W-30, 10W-40

secondo specifica API CD/CE/CF-4/CF/CG-4/CH-4/CI-4/CI-4 Plus/CJ-4

o SF/SG/SH/SJ/SL/SM

o ACEA, categorie A, B, E

Avvertenza:

Sono ammessi tutti i prodotti commerciali che soddisfano le specifiche citate. Nessun elenco di prodotti disponibile.

Classe dei lubrificanti 05L

Automatic Transmission Fluids (ATF) olio base a base di olio minerale secondo la precedente specifica Dexron IID, IIIF, IIIG o IIIH di General Motors.

Avvertenza:

Sono ammessi tutti i prodotti commerciali che soddisfano le specifiche citate. Nessun elenco di prodotti disponibile.

Classe dei lubrificanti 05M

Olio idraulico a base di olio minerale HLP a norma DIN 51524-2 o olio idraulico a base di olio minerale HVLP a norma DIN 51524-3.

Classi di viscosità: ISO VG 32 / 46 / 68

Avvertenza:

Sono ammessi tutti i prodotti commerciali che soddisfano le specifiche sopra citate. Nessun elenco di prodotti disponibile.