



Industrial Technology

Assali per macchine edili

Tabella dei lubrificanti TE-ML 05

Indice	Pagina
1. Prodotti attuali	2
2. Prodotti non elencati nel dettaglio	3
3. Oli idraulici	3
4. Zone di ingrassaggio	3
5. Classi di carico utile	3
6. Intervalli di sostituzione dell'olio	4
6.1 Intervalli di prima sostituzione dell'olio	4
6.2 Intervalli di sostituzione dell'olio seguenti	4
7. Spiegazione di note a piè di pagina ed osservazioni	4
8. Classi di lubrificanti e prodotti commerciali benestariati	5

La tabella dei lubrificanti TE-ML 05, **edizione 01.10.2026** 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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Disclaimer: I lubrificanti e i fornitori elencati nel presente documento sono indicati esclusivamente allo scopo di documentare i lubrificanti che sono stati testati per la compatibilità con i nostri prodotti. Questo elenco non costituisce alcuna approvazione, raccomandazione o preferenza per nessuno dei lubrificanti, produttori o fornitori menzionati. L'inclusione di qualsiasi lubrificante in questo elenco non implica che sia superiore ad altre opzioni disponibili, né indica che altri lubrificanti o fornitori non sono adatti per l'uso con i nostri prodotti. Potrebbero esistere ulteriori lubrificanti, produttori o fornitori — noti o meno alla nostra società — che siano pienamente compatibili o comunque idonei all'impiego. Resta esclusiva responsabilità di ciascun cliente verificare e rispettare tutte le leggi e i regolamenti sanzionatori applicabili prima di acquistare uno qualsiasi dei lubrificanti menzionati.

1. Prodotti attuali

Gruppi di prodotto	Gamme	Lubrificanti ammessi per riempimento servizio ⁽¹⁾
Compressore	MT-C 3035, MT-C 3065, MT-C 3075	ZF PowerFluid Gear LS 05C / 05N
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
Dumper	Assale/mozzo ruota: MT-D 3105	ZF PowerFluid Gear LS ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05N
	Freno: MT-D 3105, WH-D 3105	ZF PowerFluid Plus 05E / 05F / 05G
	Gruppi assali	ZF PowerFluid Gear LS ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05N
	MT-D 3085 II, MT-D 3095 II, MT-D 3110	ZF PowerFluid Plus 05E / 05F / 05G
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 Gear LS ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05N
Escavatrice	Ponte posteriore: MT-B 3065, MT-B 3070, MT-2075, MT-2085	ZF PowerFluid Plus 05E / 05F / 05G
	Treno avanti: MS-B 3025, MS-2045, MS-B 3035	ZF PowerFluid Gear LS ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05N
Caricatrice telescopica	MS-T 3045, MS-T 3055, MS-T 3060	ZF PowerFluid Plus 05E / 05F / 05G
Caricatrice compatta	AV230	ZF PowerFluid Gear LS 05A / 05C / 05N
	MT-L 3010, MT-L 3015, MT-L 3020, MT-L 3025, MT-L 3035, MT-L 3045, MT-L 3055 MS-L 3015	ZF PowerFluid Gear LS ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05N
	MT-L 3010 eCD, MT-L 3015 eCD, MT-L 3020 eCD, MT-L 3025 eCD	ZF PowerFluid Plus 05E / 05F / 05G
Escavatore mobile	MS-E 3050, MT-E 3050, MS-E 3060, MT-E 3060, MS-E 3070, MT-E 3070	ZF PowerFluid Gear LS ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05N Per i cambi HL montati direttamente va osservata la lista TE-ML 07

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 Gear LS ZF PowerFluid Plus 05A / 05C / 05N 05E / 05F / 05G	ZF PowerFluid Gear LS ZF PowerFluid Plus 05C / 05E / 05F / 05G / 05N
Assali, differenziali e gruppi assali con ruotismo ipoide	ZF PowerFluid Gear LS 05A / 05C / 05N	ZF PowerFluid Gear LS 05C / 05N

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	Lubrificanti ammessi per riempimento servizio ⁽¹⁾
Supporti oscillanti assali motolivellatrici: MT-G 3070, MT-G 3075, MT-G 3080, MT-G 3085, MT-G 3090	05P Intervallo di lubrificazione secondo rispettivi prescrizioni di lubrificazione e manutenzione
Altro	05Q Intervallo di lubrificazione secondo rispettivi prescrizioni di lubrificazione e manutenzione

5. 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

6. Intervalli di sostituzione dell'olio

6.1 Intervalli di prima sostituzione dell'olio

Classe dei lubrificanti	Riempimento in fabbrica ZF
Classe di carico utile	Intervalli di sostituzione dell'olio
1	2000 h ⁽²⁾
2	1500 h ⁽²⁾
3	1000 h ⁽²⁾

Avvertenza: Il riempimento originale di fabbrica ZF deve rimanere nell'assale almeno per le prime 500 ore di funzionamento; si sconsigliano cambi d'olio prematuri.

6.2 Intervalli di sostituzione dell'olio seguenti

Classe dei lubrificanti	05A	ZF PowerFluid Gear LS 05C / 05F / 05N	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

7. Spiegazione di note a piè di pagina ed osservazioni

Note a piè

- (1) Per i prodotti commerciali ammessi vedi seguenti pagine.
Per informazioni sugli intervalli di sostituzione dell'olio, vedere la sezione 6.
- (2) Il riempimento originale di fabbrica ZF deve rimanere nell'assale almeno per le prime 500 ore di funzionamento; si sconsigliano cambi d'olio prematuri.

Osservazioni

Indipendentemente dalla vita utile del veicolo, si consiglia di **cambiare l'olio al massimo dopo 3 anni**.

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.

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

Produttore (05A)	Denominazione prodotto (05A)	Numero di approvazione ZF
ADDINOL LUBE OIL GMBH, LEUNA/DE	ADDINOL GETRIEBEÖL GX 80W-90 ML	ZF000672
ADDINOL LUBE OIL GMBH, LEUNA/DE	ADDINOL GETRIEBEÖL GH 75 W 90 SL	ZF002280
ADDINOL LUBE OIL GMBH, LEUNA/DE	ADDINOL GETRIEBEÖL GH 85 W 140	ZF003561
ADDINOL LUBE OIL GMBH, LEUNA/DE	ADDINOL GETRIEBEÖL GX 80 W 90	ZF003620
AVIA AG, MÜNCHEN/DE	AVIA POWERTRAIN SUPREME GAX 75W-90	ZF012039
AVIA AG, MÜNCHEN/DE	AVIA POWERTRAIN AX 85W-90	ZF012196
AVIA AG, MÜNCHEN/DE	AVIA POWERTRAIN GAX 80W-90	ZF012197
AVIA AG, MÜNCHEN/DE	AVIA POWERTRAIN PREMIUM AX 80W-90	ZF012198
AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE	AVISTA PEER EVO GL4/GL5 SAE 80W-90	ZF004780
AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE	AVISTA PEER EVO PRIME GL4/GL5 SAE 80W-90	ZF004797
BAPCO REFINING, AWALI/BH	SPAREX EP 85W-140 GL-5	ZF002318
BASF SE, LUDWIGSHAFEN/DE	EMGARD HP 75W-90	ZF001716
BAYWA AG MÜNCHEN, MÜNCHEN/DE	TECTROL MULTIGEAR PLUS 8090	ZF012143
BAYWA AG MÜNCHEN, MÜNCHEN/DE	TECTROL SYNTOGEAR MM 7590	ZF012124
BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR	BELGIN LUBEX MITRAS AX SYN ULTRA 75W-90	ZF005978
BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR	BELGIN LUBEX MITRAS AX EP MD 80W-90	ZF006035
BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR	BELGIN LUBEX MITRAS AX EP PLUS 80W-90	ZF011935
BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR	BELGIN LUBEX MITRAS AX EP EXTRA 80W-90	ZF011981
BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH	EVOLCA SGP 75W90	ZF004734
BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH	EVOLCA BGP 80W90	ZF004735
CASTROL LTD, LONDON/GB	CASTROL AXLE EPX 85W-140	ZF000910
CASTROL LTD, LONDON/GB	CASTROL AXLE EPX 80W-90	ZF001320
CASTROL LTD, LONDON/GB	CASTROL TRANSMAX AXLE LONG LIFE 75W-90	ZF002142
CASTROL LTD, LONDON/GB	CASTROL TRANSMAX UNIVERSAL LL 80W-90	ZF002143
CASTROL LTD, LONDON/GB	CASTROL TRANSMAX UNIVERSAL LL 75W-90	ZF002144
CASTROL LTD, LONDON/GB	CASTROL TRANSMAX AXLE EPX 80W-90	ZF002163
CASTROL LTD, LONDON/GB	CASTROL TRANSMAX AXLE LONG DRAIN 80W-90	ZF004885
CASTROL LTD, LONDON/GB	CASTROL SAF-XO 75W-90	ZF006097
CASTROL LTD, LONDON/GB	TRANSMAX DYNADRIIVE LONG LIFE 80W-90	ZF012233
CHAMPION CHEMICALS N.V., HEMIKSEM/BE	CHAMPION OEM SPECIFIC 75W90 GL 5	ZF003554
CHEVRON LUBRICANTS, SAN RAMON, CA/US	MULTIGEAR PREMIUM EP SAE 85W-140	ZF001196
CHEVRON LUBRICANTS, SAN RAMON, CA/US	MULTIGEAR EP-5 SAE 80W-90	ZF002137
CHEVRON LUBRICANTS, SAN RAMON, CA/US	DELO GEAR EP-5 SAE 85W-140	ZF002254
CHEVRON LUBRICANTS, SAN RAMON, CA/US	DELO GEAR TDL 80W-90	ZF002273
CHEVRON LUBRICANTS, SAN RAMON, CA/US	DELO SYN-GEAR XS 75W-140	ZF002274
CHEVRON LUBRICANTS, SAN RAMON, CA/US	DELO SYN-TDL 75W-90	ZF003353
CHEVRON LUBRICANTS, SAN RAMON, CA/US	DELO GEAR CGA SAE 80W-90	ZF003513
CHEVRON LUBRICANTS, SAN RAMON, CA/US	DELO GEAR EP-5 SAE 80W-90	ZF002270
CLASS KGAA MBH, HARSEWINKEL/DE	AGRISHIFT MT 80W-90	ZF008203
CLASS KGAA MBH, HARSEWINKEL/DE	AGRISHIFT MT 80W-90	ZF008233
CONDAT LUBRIFIANTS, CHASSE SUR RHONE/FR	GEAR TXS 75W90	ZF000829
CYCLON HELLAS SA, ATHENS/GR	GEAR EP GL-5 80W-90	ZF001604
DE OLIEBRON BV, ZWIJNDRECHT/NL	TOR UNI GEAR LD 75W90	ZF000964
DEUTSCHE ÖLWERKE LUBMIN, LUBMIN/DE	AVENO TDL ULTIMATE 75W-90	ZF010792
EKO ABEE, ATHENS/GR	EKO GEAROL-5 80W-90	ZF003351
ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS	MULTIHIPO 75W-90 SINT	ZF000653
ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS	MULTIHIPO 80W-90 F PLUS	ZF001456
ELLIS ENTERPRISES EAST D.O.O. KRUSEVAC, KRUŠEVAC/RS	MULTIHIPO 80W-140 F PLUS	ZF001749
ENILIVE S.P.A., ROME/IT	ENI ROTRA MP 80W-90	ZF000855
ENILIVE S.P.A., ROME/IT	ENI ROTRA MP 85W-140	ZF000856
ENILIVE S.P.A., ROME/IT	ENI ROTRA LSX 75W-90	ZF000860
ENILIVE S.P.A., ROME/IT	ENI ROTRA MP 75W-90	ZF003364
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILUBE 1 SHC 75W-90	ZF000041
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILUBE HD-A PLUS 80W-90	ZF000042
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILUBE S 80W-90	ZF000776
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC 1 GEAR OIL 75W-90	ZF001681
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC 1 GEAR OIL 80W-140	ZF001682
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC ULTRA TOTAL DRIVELINE 75W-90	ZF003699
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC MODERN AXLE OIL 80W-90 V1	ZF008180
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC MODERN AXLE OIL 85W-140 V1	ZF008179
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC MODERN AXLE OIL 85W-140 V1	ZF008309
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC MODERN AXLE OIL 85W-140 V1	ZF008310
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC MODERN AXLE OIL 80W-90 V1	ZF008311
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC MODERN AXLE OIL 80W-90 HDA	ZF009835
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC MODERN AXLE OIL 80W-90	ZF012014
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILUBE S 80W-90	ZF012155
FINKE MINERALÖLWERK GMBH, 27374 VISSLHÖVEDE/DE	AVIATICON FINKOGEAR PREMIUM 75W-90	ZF002249
FINKE MINERALÖLWERK GMBH, 27374 VISSLHÖVEDE/DE	AVIATICON FINKOGEAR SUPER 80W-90	ZF002299
FINKE MINERALÖLWERK GMBH, 27374 VISSLHÖVEDE/DE	AVIATICON HYPOLD EP 80W-90	ZF012141
FUCHS SE, MANNHEIM/DE	FUCHS TITAN CYTRAC HSY SAE 75W-90	ZF000642
FUCHS SE, MANNHEIM/DE	FUCHS TITAN GEAR HYP LD SAE 80W-90	ZF000645
FUCHS SE, MANNHEIM/DE	FUCHS TITAN SUPERGEAR SAE 80W-90	ZF000647
FUCHS SE, MANNHEIM/DE	FUCHS TITAN SUPERGEAR SAE 85W-140	ZF000650
FUCHS SE, MANNHEIM/DE	FUCHS TITAN SUPERGEAR MC SAE 80W-90	ZF000722
FUCHS SE, MANNHEIM/DE	GEARWAY S5 75W-90	ZF001030
FUCHS SE, MANNHEIM/DE	GEARWAY G5 80W-90	ZF001036
FUCHS SE, MANNHEIM/DE	PENTOSIN GETRIEBEÖL O-226 80W-90	ZF001195
FUCHS SE, MANNHEIM/DE	FUCHS TITAN CYTRAC TD SAE 75W-90	ZF003341
FUCHS SE, MANNHEIM/DE	FUCHS AGRIFARM GEAR SAE 80W-90	ZF003624
FUCHS SE, MANNHEIM/DE	PENTOSIN GEAR SAE 80W-90	ZF004809
FUCHS SE, MANNHEIM/DE	PENTOSIN GEAR SAE 85W-140	ZF004810

**Numero di
approvazione ZF**

FUCHS SE, MANNHEIM/DE	FUCHS SE, MANNHEIM/DE
FUCHS SE, MANNHEIM/DE	PENTOSIN GEAR PRO SAE 75W-90
FUCHS SE, MANNHEIM/DE	PENTOSIN GEAR ULTRA SAE 75W-90
FUCHS SE, MANNHEIM/DE	TITAN SUPERGEAR MC SAE 80W-140
FUCHS SE, MANNHEIM/DE	TITAN SUPERGEAR PLUS SAE 80W-90
FUCHS SE, MANNHEIM/DE	FUCHS TITAN CYTRAC RR SAE 75W-90
GS CALTEX CORPORATION, SEOUL/KR	KIXX GEARTEC X GL-5 80W-90
GULF OIL INTERNATIONAL, MUMBAI/IN	GULF GEAR TDL 80W-90
GULF OIL INTERNATIONAL, MUMBAI/IN	GULF SYNGEAR 75W-90
GULF OIL INTERNATIONAL, MUMBAI/IN	GULF GEAR LD 80W-90
HD HYUNDAI OILBANK, LTD, GYEONGGI-DO/KR	DEVOLON AXLE LSD 80W-90
HD HYUNDAI OILBANK, LTD, GYEONGGI-DO/KR	HYUNDAI AXLE LSD 80W-90
HUILES BERLIET S.A., SAINT-PRIEST/FR	LONGEVIA TC ECO 80W-90
HUILES BERLIET S.A., SAINT-PRIEST/FR	LONGEVIA TCX ECO 75W-90
HUILES BERLIET S.A., SAINT-PRIEST/FR	LONGEVIA HD 80W-90
IGOL FRANCE, AMIENS/FR	SYNTHEGEAR 75W-90
INA MAZIVA LTD., ZAGREB/HR	INA HIPENOL TDL 80W-90
INA MAZIVA LTD., ZAGREB/HR	INA HIPENOL SHD 75W-90
INGRAX INDUSTRIA E COMERCIO DE GRAXA S/A, DUQUE DE CAXIAS/BR	MULTIGEROL 85W140
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	Q8 TRANS XGS 75W-90
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	Q8 TRANS XGR 75W-140
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	Q8 GEAR OIL XG SAE 80W-90
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	Q8 AXLE OIL XG SAE 80W-140
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE	Q8 SYNTHETIC GEAR OIL SAE 80W-140
LAEMMLE CHEMICALS AG, MADETSWIL/CH	ROXOR SUPER DUTY SYNTH 75W-90
LAEMMLE CHEMICALS AG, MADETSWIL/CH	ROXOR TOPGEAR 80W-90
LAEMMLE CHEMICALS AG, MADETSWIL/CH	ROXOR SUPER DUTY SYNTH 75W-140
LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE	LIEBHERR SYNTOGear PLUS 75W-90
LIQUI MOLY GMBH, ULM/DE	LIQUI MOLY HYPoid GETrieBeÖL TDL SAE 80W-90
LIQUI MOLY GMBH, ULM/DE	LIQUI MOLY VOLLsyn. HYPoid GeTr.ÖL TRUCK (75W-90)
LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE	MEGOL HYPoid-GeTrieBeÖL TDL 80W-90
LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE	MEGOL GeTrieBeÖL TRUCK-SYNTH SAE 75W-90
LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT	LUKOIL TRANSMISSION SYNTH BSX 75W-90
LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT	LUKOIL TRANSMISSION LD 80W-90
LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT	LUKOIL TRANSMISSION MN 75W-90
LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT	LUKOIL TRANSMISSION UNI 80W-90
MAPO SCHMIERSTOFFTECHNIK GMBH, HIMBERG BEI WIEN/AT	MAPO Gear FULL syn OPTIMA SAE 75W/90
MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES	CEPSA TRANSMISIONES EP 80W-90
MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES	CEPSA TRANSMISIONES EP 85W-140
MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES	CEPSA TRANSMISIONES EP FE+LD 75W-90
MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES	MAN Super Axle 3343 75W-90
MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES	MAN Super Axle 342-M2
MOL-LUB KFT, ALMASFUZITO/HU	MOL HYKOMOL ZF 80W90
MOL-LUB KFT, ALMASFUZITO/HU	MOL HYKOMOL TDL 75W90
MOTOREX AG, LANGENTHAL/CH	MOTOREX YORK Penta TL SAE 75W/90
MOTOREX AG, LANGENTHAL/CH	MOTOREX_YORK UNIVERSAL CT SAE 80W/90
MOTOREX AG, LANGENTHAL/CH	MOTOREX YORK Gear ZX TP SAE 80W/140
MOTOREX AG, LANGENTHAL/CH	MOTOREX YORK UNISynt ZX SAE 75W90
MOTOREX AG, LANGENTHAL/CH	MOTOREX YORK Gear ZX TP SAE 80W/90
MOTOREX AG, LANGENTHAL/CH	York 896 75W90
MOTUL SA, AUBERVILLIERS/FR	MOTUL Gear SYNTH TDL 75W-90
OEL-BRACK AG, HUNZENSWIL/CH	MIDLAND SENSOGear 75W-90
OEST LUBRICANTS GMBH & CO.KG, FREUDENSTADT/DE	OEST SYNTH GeTrieBeÖL SAE 75W-90
OEST LUBRICANTS GMBH & CO.KG, FREUDENSTADT/DE	OEST GeTrieBeÖL FE SAE 80W-90 GL4/5
ORLEN Oil Sp. z o.o., KRAKOW/PL	ORLEN Oil Gear LL 80W-90
ORLEN S.A., GDANSK/PL	TITANIS Super GL-5 80W-90
ORLEN S.A., GDANSK/PL	LOTOS TITANIS GL-5 80W-90
PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT	GLOBAL Gear SA SAE 85W-140
PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT	GLOBAL MULTIGear TS SAE 75W/90
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	TRAXON 80W-90
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	TRAXON XL SYNTHETIC BLEND 80W-140
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	TRAXON 80W-90
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	TRAXON 85W-140
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	TRAXON 80W-90
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	TRAXON XL SYNTHETIC BLEND 80W-140
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	TRAXON 85W-140
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	TRAXON SYNTHETIC 75W-90
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	TRAXON SYNTHETIC 75W-90
PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA	TRAXON 85W-140
PETROGAL S.A., LISBOA/PT	GALP TRANSVEX TDL 85W140
PETROGAL S.A., LISBOA/PT	GALP TRANSVEX TDL 75W90
PETROGAL S.A., LISBOA/PT	GALP TRANSOil HP XT 80W90
PETROL OFISI A.S., ISTANBUL/TR	MAXIGear D 75W-90
PETROL OFISI A.S., ISTANBUL/TR	MAXIGear TECH EP-X 80W-90
PETROL OFISI A.S., ISTANBUL/TR	MAXIGear EP-X 80W-90
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	ARBOR TRW 90 (SAE 80W-90)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	ARBOR TRW 140 (SAE 85W-140)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	AMBRA HYPoidE 90 (SAE 80W-90)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	AKCELA Gear 135H EP (SAE 80W-90)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	AKROS Gear EP 90 (SAE 80W-90)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	AMBRA HYPoidE 140 (SAE 85W-140)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	AKCELA Gear 135H EP (SAE 85W-140)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	TUTELA TRANSMISSION W90/LA (SAE 80W-90)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	TUTELA TRANSMISSION X-ROAD (75W-140)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	TUTELA TRANSMISSION FE-AXLE (SAE 75W-90)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	ARBOR TRW 90 (SAE 80W-90)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	TUTELA TRANSMISSION STARGear AX-ED (SAE 75W-90)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	AMBRA HYPoidE 90 (SAE 80W-90)
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	PETRONAS TUTELA AXLE 700 EHD 75W-90
PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY	T

**Numero di
approvazione ZF**

ZF003641
ZF003642
ZF003647
ZF003648
ZF003649
ZF003658
ZF003685
ZF003696
ZF003703
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ZF008231
ZF008232
ZF008296
ZF008328
ZF008393
ZF011486
ZF011488

Produttore (05A)

UNIL OPAL, SAUMUR/FR
VALVOLINE EUROPE, DORDRECHT/NL
VALVOLINE EUROPE, DORDRECHT/NL
VALVOLINE EUROPE, DORDRECHT/NL
VALVOLINE GLOBAL PRODUCTS, LEXINGTON/US
WILHELM HOYER B.V. & CO. KG, VISSSELHÖVEDE/DE
WILHELM HOYER B.V. & CO. KG, VISSSELHÖVEDE/DE
WILHELM HOYER B.V. & CO. KG, VISSSELHÖVEDE/DE
WOLF OIL CORPORATION N.V., HEMIKSEM/BE
YACCO SAS, ST PIERRE LES ELBEUF/FR
ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE
ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Denominazione prodotto (05A)

GERION TDL 75W90
VALVOLINE HEAVY DUTY TDL PRO 75W-90
VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90 LD
VALVOLINE HEAVY DUTY AXLE OIL PRO 75W-140
KUBOTA 80W-90 GEAR LUBRICANT HD
HOYER GEAR F-FP 75W-90
HOYER GEAR M-FS 80W-90
HOYER GEAR M-HP 80W-90
WOLF OFFICIALTECH 75W90 GL 5
BVX 1000 75W-90
DIVINOL MULTI-AXLE 80W90
DIVINOL GETRIEBEÖL ST 80W90
ZF ECOFLUID X SAE 80W-90

**Numero di
approvazione ZF**

ZF012286
ZF001283
ZF001837
ZF001874
ZF008218
ZF011993
ZF011992
ZF012144
ZF003525
ZF009462
ZF001684
ZF012095
ZF001266

Classe dei lubrificanti 05C

Olio per cambi con additivi "limited slip"

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

Produttore (05C)

ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 AVIA AG, MÜNCHEN/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
 CASTROL LTD., LONDON/GB
 CASTROL LTD., LONDON/GB
 CHAMPION CHEMICALS N.V., HEMIKSEM/BE
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 CHEVRON LUBRICANTS, SAN RAMON, CA/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FUCHS SE, MANNHEIM/DE
 GS CALTEX CORPORATION, SEOUL/KR
 GS CALTEX CORPORATION, SEOUL/KR
 GULF OIL INTERNATIONAL, MUMBAI/IN
 HITACHI CONSTRUCTION MACHINERY EUROPE NV, AMSTERDAM/NL
 HUILES BERLIET S.A., SAINT-PRIEST/FR
 INA MAZIVA LTD., ZAGREB/HR
 JOHN DEERE, MOLINE, ILLINOIS/US
 KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIQUI MOLY GMBH, ULM/DE
 LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE
 LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT
 LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT
 LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT
 MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES
 MOL-LUB KFT, ALMASFUZITO/HU
 MOTOREX AG, LANGENTHAL/CH
 MOTOREX AG, LANGENTHAL/CH
 NILS SPA, BURGSTALL/IT
 NORTHLAND PRODUCTS COMPANY, WATERLOO, IOWA/US
 OEST LUBRICANTS GMBH & CO.KG, FREUDENSTADT/DE
 OILFINO MINERALÖL GMBH, PRISDORF/DE
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 ORLEN S.A., GDANSK/PL
 PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT
 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
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A. MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A. MADRID/ES
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE
 SASOL ENERGY, JOHANNESBURG/ZA
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SENNEBOGEN MASCHINENFABRIK GMBH, STEINACH/DE
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SK ENMOVE CO.,LTD., SEOUL/KR
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 UNIL OPAL, SAUMUR/FR
 VALVOLINE EUROPE, DORDRECHT/NL
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE
 ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Denominazione prodotto (05C)

ADDINOL GETRIEBEÖL GH 85W-90 LS
 ADDINOL GETRIEBEÖL GH 80W-90 LS
 AVIA POWERTRAIN AX-LS 85W-90
 AVISTA PEER EVO GL5 LS SAE 90
 TECTROL MULTIGEAR LS 90
 TECTROL MULTIGEAR LS 90
 BELGEAR LS 85W90
 EVOLCA BGX 85W90
 CASTROL TRANSMAX LIMITED SLIP LL 75W-140
 CASTROL TRANSMAX LIMITED SLIP Z 85W-90
 CHAMPION OEM SPECIFIC 80W90 LS GL 5
 GEAR OIL ZF SAE 80W-90
 GEARTEX LS 80W-90
 GEARTEX LS 85W-90
 MOBILUBE LS 85W-90
 MOBILUBE LS 85W-90
 MOBIL DELVAC MODERN AXLE OIL 85W-90 LIMITED SLIP
 FUCHS TITAN GEAR LS SAE 90
 DOOSAN LS GEAR OIL 80W90
 DEVELON LS GEAR OIL 80W90
 GULF GEAR LS 90
 HITACHI GENUINE AXLE OIL ZX-W LS 80W-90
 EP 90 GL
 INA HIPENOL GTL LS 90
 JOHN DEERE GL-5 GEAR LUBRICANT W/LS ADD 80W-90
 Q8 T 45 LS SAE 90
 LIEBHERR GEAR BASIC 90 LS
 LIQUI MOLY HYPOID-GETRIEBEÖL PLUS GL 5 LS 85W-90
 MEGOL HYPOID-GETRIEBEOEL AXLE LS SAE 85W-90
 LUKOIL GEAR GL-5 LS 85W-90
 LUKOIL TRANSMISSION LS 80W-90
 LUKOIL TRANSMISSION LS 85W-90
 CEPESA AURIGA LS PLUS 80W-90
 MOL HYKOMOL LS 85W90
 MOTOREX YORK LS UNIVERSAL SAE 90
 YORK 699 LS SAE 90
 ALGOL HYPOID LS 90
 POSI-GRIP JDZF 80W90
 OEST GETRIEBEÖL HYPOID LS 90
 OILFINO VARIUS G 400LS 85W-90
 PLATINUM GEAR LS 80W-90
 PLATINUM AGRO LS 80W-90
 ORLEN OIL GEAR LS 80W-90
 ORLEN OIL AGRO LS 80W-90
 LOTOS TITANIS LS GL-5 80W-90
 UNIVERSAL GEAR EP LS SAE 85W/90
 GALP TRANSOIL HP LS 90
 MAXIGEAR EP-X 85W-90LS
 AMBRA AXF 80W-90 (SAE 80W-90)
 AKCELA AXLEPOWER (SAE 80W-90)
 TUTELA TRANSMISSION W90/LS (SAE 80W-90)
 ARBOR TTF (SAE 80W-90)
 PETRONAS AXLE 300 LS 80W-90
 SUPERGEAR BRONZE 85W90 LS
 REPSOL CARTAGO EP AUTOBLOCANTE SAE 80W90
 REPSOL NAVIGATOR LSD 80W-90
 ROLF TRANSMISSION M5 A-LS 80W-90
 SASOL DIFFERENTIAL OIL LIMITED SLIP 80W-90
 SAVSOL AUTOGEAR 90 LIMITED SLIP GL-5
 SENLUBE GEAR HYPOID LS
 SHELL SPIRAX S3 ALS 80W-90
 SHELL SPIRAX S3 ALS 85W- 90
 SINOPEC GREATWALL ZLS GL-5 85W/90
 SK ZIC G-5 LSD 80W-90
 SRS WIGLIN RSH
 ELF TRACTELF BLS 80W-90
 DYNATRANS DA 80W-90
 DYNATRANS LS 80W-90
 CLASS AGRISHIFT BLS 80W-90
 GEAR AB-EP 85W90
 VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90 LS
 WOLF OFFICIALTECH 80W90 LS GL 5
 ZF POWERFLUID GEAR LS

Numero di approvazione ZF

ZF000629
 ZF000703
 ZF012107
 ZF004776
 ZF001167
 ZF012142
 ZF002257
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 ZF000442
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 ZF006121
 ZF006122
 ZF008173
 ZF000526
 ZF001996
 ZF003552
 ZF008414

Classe dei lubrificanti 05E

Olio universale per assali e cambi

Produttore (05E)

CHAMPION CHEMICALS N.V., HEMIKSEM/BE
CNH INDUSTRIAL AMERICA LLC, RACINE, WI/US
JOHN DEERE, MOLINE, ILLINOIS/US
VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR
WOLF OIL CORPORATION N.V., HEMIKSEM/BE

Denominazione prodotto (05E)

CHAMPION U.T.T. OIL 80W-140
PREMIUM TRANSAXLE OIL 80W-140
JOHN DEERE HY-GARD FLEX
LUBRAX UNITRACTOR 10W-30
WOLF TRACTOFLUID 80W-140

**Numero di
approvazione ZF**

ZF012270
ZF005941
ZF012272
ZF010660
ZF012017

Classe dei lubrificanti 05F
Olio universale per assali e cambi

Produttore (05F)

ADDINOL LUBE OIL GMBH, LEUNA/DE
ADDINOL LUBE OIL GMBH, LEUNA/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
AVIA AG, MÜNCHEN/DE
BAYWA AG MÜNCHEN, MÜNCHEN/DE
BAYWA AG MÜNCHEN, MÜNCHEN/DE
BAYWA AG MÜNCHEN, MÜNCHEN/DE
BAYWA AG MÜNCHEN, MÜNCHEN/DE
BELGIN MADENI YAGLAR TIC. VE SAN. A.S., KOCAELI/TR
BELL EQUIPMENT GROUP SERVICES (PTY) LTD, RICHARDS BAY/ZA
BLASER SWISSLUBE AG, HASLE-RÜEGSAU/CH
CASTROL LTD, LONDON/GB
CASTROL LTD, LONDON/GB
CASTROL LTD, LONDON/GB
CATERPILLAR, INC., MOSSVILLE/US
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
CLASS KGAA MBH, HARSEWINKEL/DE
CNH INDUSTRIAL AMERICA LLC, RACINE, WI/US
CNH INDUSTRIAL AMERICA LLC, RACINE, WI/US
DEUTSCHE ÖLWERKE LUBMIN, LUBMIN/DE
ENGEN PETROLEUM (PTY) LIMITED, CAPE TOWN/ZA
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
EXXONMOBIL CORPORATION, HOUSTON, TX/US
EXXONMOBIL CORPORATION, HOUSTON, TX/US
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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
FUCHS SE, MANNHEIM/DE
FUCHS SE, MANNHEIM/DE
FUCHS SE, MANNHEIM/DE
FUCHS SE, MANNHEIM/DE
FUCHS SE, MANNHEIM/DE
GB LUBRICANTS, GATESHEAD/GB
GS CALTEX CORPORATION, SEOUL/KR
GULF OIL INTERNATIONAL, MUMBAI/IN
GULF OIL INTERNATIONAL, MUMBAI/IN
HD HYUNDAI OILBANK, LTD, GYEONGGI-DO/KR
HD HYUNDAI OILBANK, LTD, GYEONGGI-DO/KR
HD HYUNDAI OILBANK, LTD, GYEONGGI-DO/KR
INA MAZIVA LTD., ZAGREB/HR
INA MAZIVA LTD., ZAGREB/HR
INA MAZIVA LTD., ZAGREB/HR
JOHN DEERE, MOLINE, ILLINOIS/US
KROON-OIL B.V., ALMELO/NL
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
KUWAIT PETROLEUM (BELGIUM) N.V., ANTWERP/BE
LAEMMLE CHEMICALS AG, MADETSWIL/CH
LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
LIQUI MOLY GMBH, ULM/DE
LIQUI MOLY GMBH, ULM/DE
LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE
LIQUI MOLY PRODUKTIONS GMBH & CO. KG, SAARLOUIS/DE
MAPO SCHMIERSTOFFTECHNIK GMBH, HIMBERG BEI WIEN/AT
MOEVE CLIENT SOLUTIONS, S.A.U., MADRID/ES
MOTOREX AG, LANGENTHAL/CH
MOTOREX AG, LANGENTHAL/CH
MOTOREX AG, LANGENTHAL/CH
PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT
PETROGAL S.A., LISBOA/PT

Denominazione prodotto (05F)

ADDINOL UTTO SAE 10W-30
ADDINOL UTTO EXTRA (SAE 20W-40)
VELA C+ AGROLUBE
VELA C+ LANDINI
VELA C+ MCCORMICK
AVIA HYDROFLUID TD
AVIA HYDROFLUID DLZ
AVIA POWERTRAIN UTTO-DLZ
TECTROL UTTO-ZF
TECTROL UTTO-HF
TECTROL UTTO-HF
TECTROL UTTO-ZF
BELGIN LUBEX AGROS UTTO PLUS
BELL UTTO ULTRA
EVOLCA UTTO 8068
BP TRACTRAN TF-10
CASTROL TRANSMAX AGRI TRANS PLUS 80W
CASTROL TRANSMAX AGRI TRANS PLUS 80W
CAT MULTIPURPOSE TRACTOR OIL
CHAMPION U.T.T. OIL 170 BM
1000 THF
1000 THF
1000 THF
1000 THF
1000 THF
1000 THF
1000 THF
CLAAS AGRISHIFT GA 12
PREMIUM TRANSAXLE OIL 20W-40
PREMIUM TRANSAXLE OIL 20W-40
AVENO UTTO
ENGEN AGRIFLUID
EUROL HYKROL JD 68
MOBILFLUID 424
MOBILFLUID 424
MOBIL HYDRAUL 56
MOBILFLUID 424
MOBILFLUID 428
MOBILFLUID 428
MOBILFLUID 428
MOBILFLUID 424
MOBILFLUID 428 V2
MOBILFLUID 428 V2
MOBILFLUID 428 V2
MOBILFLUID 428 V2
MOBILFLUID 428 V2
MOBILFLUID 428 V2
MOBILFLUID 428 V2
AVIATICON AGRA PREMIUM UTTO
FUCHS TITAN UTTO ZF (SAE 20W-40)
FUCHS TITAN AGRIFARM UTTO MP
FUCHS TITAN AGRIFARM UTTO MP
TITAN UTTO WB
FUCHS AGRIFARM UTTO MP
GB UNITRANS(R) ZF
DEVELON AXLE OIL STANDARD
GULF MPTF 10W-30
GULF MPTF 10W-30
XTEER THF 75W-80
DEVELON AXLE GL-4 75W-80
HYUNDAI AXLE GL-4 75W-80
INA TRANSHIDROL JD 50
INA TRANSHIDROL ZF 20W-40
INA TRANSHIDROL JD 50
JOHN DEERE HY-GARD
AGRIFLUID HT-PLUS
Q8 T 2000
JCB HP GEAR OIL PLUS
JCB HP GEAR OIL PLUS
JCB HP GEAR OIL PLUS
Q8 T 2200
Q8 TERRA 2200 UTTO
ROXOR CONSTAR UTTO 803
LIEBHERR GEAR MF 80W
LIEBHERR GEAR PLUS 20W-40
LIEBHERR GEAR MF 80W
LIEBHERR GEAR PLUS 20W-40
LIQUI MOLY SPECIAL UTTO
LIQUI MOLY TRAKTORÖL UTTO
MEGOL TRAKTORENOEL UTTO PREMIUM SAE 10W-30
MEGOL TRAKTORENOEL UTTO
MAPO TRANSMISSION UTTO
CEPSA AURIGA TE 55 10W-30
MOTOREX YORK FARMER POLY 604
MOTOREX YORK FARMER POLY 304
MOTOREX YORK UTTO CF SAE 10W30
UTTO FLUID 4 D SAE 10W-30
GALP TRALUB 807 S

**Numero di
approvazione ZF**

ZF000509
ZF0001845
ZF0003719
ZF0003717
ZF0003718
ZF0001811
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**Numero di
approvazione ZF**

ZF001351
ZF000544
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ZF001959
ZF000105
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ZF003380
ZF004867
ZF001346
ZF002222
ZF008262
ZF012180
ZF012213
ZF003565
ZF009470
ZF002041
ZF001366
ZF011996
ZF012278
ZF011927

Classe dei lubrificanti 05G

Olio universale premium per assali e cambi

Produttore (05G)	Denominazione prodotto (05G)	Numero di approvazione ZF
SINOPEC LUBRICANT CO., LTD., BEIJING/CN	SINOPEC GREATWALL HD DRIVE AXLE OIL	ZF002162
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE	ZF POWERFLUID C-PLUS (GOLD 1)	ZF002087
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE	ZF POWERFLUID PLUS	ZF005995

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.

Inoltre, possono essere utilizzati i seguenti prodotti commerciali:

Produttore (05M)

PANOLIN DISTRIBUTION AG, STEINHAUSEN/CH
PANOLIN DISTRIBUTION AG, STEINHAUSEN/CH
PANOLIN DISTRIBUTION AG, STEINHAUSEN/CH
SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN

Denominazione prodotto (05M)

SHELL PANOLIN S4 HLP SYNTH 32
SHELL PANOLIN S4 HLP SYNTH 46
SHELL PANOLIN S4 HLP SYNTH 68
TATA HITACHI SUPREME P

**Numero di
approvazione ZF**

ZF012032
ZF012033
ZF012034
ZF001707

Classe dei lubrificanti 05N

Olio per cambi con additivi "limited slip"

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

Produttore (05N)

AVIA AG, MÜNCHEN/DE
 BAYWA AG MÜNCHEN, MÜNCHEN/DE
 CHAMPION CHEMICALS N.V., HEMIKSEM/BE
 CHAMPION CHEMICALS N.V., HEMIKSEM/BE
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 EXXONMOBIL CORPORATION, HOUSTON, TX/US
 FINKE MINERALÖLWERK GMBH, 27374 VISSELHÖVEDE/DE
 FUCHS SE, MANNHEIM/DE
 KROON-OIL B.V., ALMELO/NL
 MORRIS LUBRICANTS, SHREWSBURY/GB
 MOTOREX AG, LANGENTHAL/CH
 PAKELO MOTOR OIL S.P.A. A S.U., SAN BONIFACIO (VR)/IT
 PHI OIL GMBH, ST. GEORGEN/AT
 ROCK OIL, WARRINGTON/GB
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 TONGYI PETROLEUM CHEMICAL CO., LTD., BEIJING/CN
 TOTALENERGIES LUBRIFIANTS, NANTERRE/FR
 WILHELM HOYER B.V. & CO. KG, VISSSELHÖVEDE/DE
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE

Denominazione prodotto (05N)

AVIA POWERTRAIN PLUS AX-LS 80W-90
 TECTROL MULTIGEAR LS 90 LV
 CHAMPION OEM SPECIFIC 80W-90 LS GL 5 ZF-N
 CHAMPION OEM SPECIFIC 85W-90 LS GL 5 ZF-N
 MOBIL DELVAC MODERN AXLE OIL 80W-90 LIMITED SLIP
 MOBIL DELVAC MODERN AXLE OIL 80W-90 LIMITED SLIP
 MOBIL DELVAC MODERN AXLE OIL 80W-90 LIMITED SLIP
 AVIATICON HYPOID LS PLUS 80W-90
 TITAN SUPERGEAR LS SAE 80W-90
 GEARLUBE LS 80W-90
 TERRAIN LS 80W-90
 MOTOREX YORK LS UNIVERSAL SAE 80W/90
 UNIVERSAL GEAR EP LS SAE 80W-90
 SUPERGEAR BRONZE 80W90 LS
 SD LS 80W-90
 SRS WIOLIN RSH PLUS 80W-90
 TONGYI 80W-90
 DYNATRANS DAX 80W-90
 HOYER GEAR M-LS+ 80W-90
 WOLF OFFICIALTECH 80W-90 LS GL 5 ZF-N
 WOLF OFFICIALTECH 85W-90 LS GL 5 ZF-N
 DIVINOL MULTI-AXLE LS 80W90

Numero di approvazione ZF

ZF012202
 ZF009443
 ZF011947
 ZF012199
 ZF009436
 ZF010924
 ZF011990
 ZF011976
 ZF008289
 ZF009458
 ZF010985
 ZF011905
 ZF010992
 ZF012016
 ZF010297
 ZF009472
 ZF012020
 ZF009422
 ZF011995
 ZF011930
 ZF012185
 ZF010462

Classe dei lubrificanti 05P

Grasso per supporti oscillanti assali motolivellatrici

Produttore (05P)	Denominazione prodotto (05P)	Numero di approvazione ZF
SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB TOTALENERGIES LUBRIFIANTS, NANTERRE/FR	SHELL AEROSHELL GREASE 22 AEROGREASE N31089	ZF012106 ZF012080

Classe dei lubrificanti 05Q

Grasso universale secondo alla specifica / esigenza:

- DIN 51825 Classificazione KP2K-30 e/o
ISO 6743-9 Classificazione ISO-L-XCCEB2 o
ISO 6743-9 Classificazione ISO-L-XCCHB2
- Olio di base: idrocarburi minerali o sintetici (nessun estere)
- Tipo di spessore: Ca, Li (sapone semplice, misto, complesso)
- Classe di consistenza: NLGI 2
- Additivi EP
- Limiti di temperatura d'impiego min. -30°C fino a +120°C

Avvertenza:

Tutti i prodotti commerciali che soddisfano le specifiche / esigenze sopra indicate possono essere utilizzati.
Nessun elenco di prodotti disponibile.

Con temperature esterne superiori a -20 ° C si possono utilizzare anche grassi con la seguente classificazione:

DIN 51825 Classificazione KP2K-20 e/o
ISO 6743-9 Classificazione ISO-L-XBCEB2 o
ISO 6743-9 Classificazione ISO-L-XBCHB2