



Industrial Technology

Assali per trattori, trasmissioni per macchine da raccolta e trasmissioni finali

Tabella dei lubrificanti TE-ML 21

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1. Classi di lubrificanti benestariati

Gruppi di prodotto	Classi di lubrificanti ⁽¹⁾	
	Primo riempimento ⁽²⁾	Riempimento di servizio ⁽³⁾
Assali APL-300, APL-700 AS-2000, AS-3000	ZF PowerFluid Gear LS 21C / 21N	ZF PowerFluid Gear LS ZF PowerFluid Plus 21C / 21E / 21F / 21G / 21N
TerraSteerAxle (TSA), TerraDriveAxle (TDA)	ZF PowerFluid Gear LS ZF PowerFluid Plus 21C / 21E / 21F / 21G / 21N	ZF PowerFluid Gear LS ZF PowerFluid Plus 21C / 21E / 21F / 21G / 21N
Trasmissioni per macchine da raccolta 2MD40 3MD30, 3MD35, 3MD40	21A	21A
Semiassi ZF (riduttori epicicloidali finali) per trasmissioni per trattori Eccom, Terramatic, Terrapower, T-7000 e S-Matic	ZF PowerFluid Gear LS ZF PowerFluid Plus 21A / 21C / 21G / 21N	ZF PowerFluid Gear LS ZF PowerFluid Plus 21A / 21C / 21G / 21N
Trasmissioni finali per macchine da raccolta S-800, S-950, S-1050, S-1250	21A	21A

La tabella dei lubrificanti TE-ML 21, **edizione 01.04.2026** 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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2. Intervalli di sostituzione dell'olio








2.1 Intervallo di prima sostituzione dell'olio

Classe dei lubrificanti	21A	ZF PowerFluid Gear LS 21C / 21F / 21N	ZF PowerFluid Plus 21E / 21G
Gruppi di prodotto	Intervallo di prima sostituzione dell'olio		
Assali APL, AS, TSA, TDA	-	1500 h ⁽⁴⁾	1500 h ⁽⁴⁾
Trasmissioni per macchine da raccolta	500 h	-	-
Semiassi ZF	500 h	500 h ⁽⁴⁾	500 h ⁽⁴⁾
Trasmissioni finali per macchine da raccolta	500 h	-	-

2.2 Intervalli di sostituzione dell'olio seguenti

Classe dei lubrificanti	21A	ZF PowerFluid Gear LS 21C / 21F / 21N	ZF PowerFluid Plus 21E / 21G
Gruppi di prodotto	Intervalli di sostituzione dell'olio seguenti		
Assali APL, AS, TSA, TDA	-	1500 h	3000 h
Trasmissioni per macchine da raccolta	1000 h	-	-
Semiassi ZF	1000 h	1000 h	1000 h
Trasmissioni finali per macchine da raccolta	1000 h	-	-

3. Oli idraulici

Gruppi di prodotto	Lubrificanti ammessi per riempimento servizio ⁽¹⁾	Utilizzo con temperatura esterna a partire da
Impianto idraulico freno, blocco differenziale idraulico (DHL) e sterzo	21L	- 40°C 
	Lubrificanti secondo JDM J20D	- 40°C 
	21E / 21F (solo Lubrificanti secondo JDM J20C), 21G	- 30°C 
	21K	- 30°C 
	21M (ISO VG 32)	- 40°C  + 20°C
	21M (ISO VG 46)	- 10°C 
	21M (ISO VG 68)	- 5°C 

4. Zone di ingrassaggio

Gruppi di prodotto	Lubrificanti ammessi per riempimento servizio ⁽¹⁾
Tutti	21Q Intervalli di lubrificazione secondo rispettivi prescrizioni di lubrificazione e manutenzione

5. Spiegazione di note a piè di pagina ed osservazioni

Note a piè di pagina

- (1) **Per prodotti commerciali validati vedi seguenti pagine.**
- (2) Primo riempimento: Per il primo riempimento e per i riempimenti durante la fase di rodaggio del cambio (percorrenza inferiore a 1.000 h) è prescritto l'utilizzo dei lubrificanti delle classi di lubrificanti elencate.
- (3) Riempimento di servizio: I lubrificanti delle classi di lubrificanti elencate vanno utilizzati per le sostituzioni di servizio secondo gli intervalli di sostituzione dell'olio riportati nel par. 2.2.
- (4) 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

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.

Classe dei lubrificanti 21A

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

Produttore (21A)	Denominazione prodotto (21A)	Numero di approvazione ZF
ADDINOL LUBE OIL GMBH, LEUNA/DE	ADDINOL GETRIEBEÖL GH 85W-90	ZF000555
ADDINOL LUBE OIL GMBH, LEUNA/DE	ADDINOL GETRIEBEÖL GH 80W-90	ZF000671
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	ZF002260
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 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
AVIA AG, MÜNCHEN/DE	AVIA POWERTRAIN SUPREME GAX 75W-90	ZF012039
AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE	AVISTA PEER EVO GL5 SAE 80W-90	ZF004777
AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE	AVISTA PEER EVO GL4/GL5 SAE 80W-90	ZF004780
AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE	AVISTA PEER EVO GL5 SAE 85W-90	ZF004793
AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE	AVISTA PEER EVO PRIME GL4/GL5 SAE 80W-90	ZF004797
BAPCO REFINING, AWALI/BH	SPAREX EP 90 GL-5	ZF001693
BAPCO REFINING, AWALI/BH	SPAREX EP 90 GL-5	ZF002316
BAPCO REFINING, AWALI/BH	SPAREX EP 80W-90 GL-5	ZF002317
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 HYP 90	ZF005977
BAYWA AG MÜNCHEN, MÜNCHEN/DE	TECTROL MULTIGEAR PLUS 8090	ZF012143
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 AXLE EPX 80W-90	ZF001754
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 EPX 85W-90	ZF003394
CASTROL LTD, LONDON/GB	CASTROL TRANSMAX AXLE LONG DRAIN 80W-90	ZF004885
CASTROL LTD, LONDON/GB	CASTROL SAF-XO 75W-90	ZF006097
CHAMPION CHEMICALS N.V., HEMIKSEM/BE	CHAMPION OEM SPECIFIC 75W90 GL 5	ZF003554
CHEVRON LUBRICANTS, SAN RAMON, CA/US	HYPOLID LD SAE 85W-90	ZF000788
CHEVRON LUBRICANTS, SAN RAMON, CA/US	MULTIGEAR PREMIUM EP SAE 85W-140	ZF001196
CHEVRON LUBRICANTS, SAN RAMON, CA/US	MULTIGEAR EP SAE 90	ZF001243
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 GEAR EP-5 SAE 80W-90	ZF002270
CHEVRON LUBRICANTS, SAN RAMON, CA/US	GEARTEX EP-5 80W-90	ZF002279
CHEVRON LUBRICANTS, SAN RAMON, CA/US	DELO SYN-TDL 75W-90	ZF003353
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 SUPER GEAR OIL 80W90	ZF000963
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 PLUS 80W-90	ZF001086
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 HD-A 85W-90	ZF000668
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 80W-90 V1	ZF008311
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 HDA	ZF009835
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC MODERN AXLE OIL 80W-90	ZF012014
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBIL DELVAC MODERN AXLE OIL 85W-90 V1	ZF012012
EXXONMOBIL CORPORATION, HOUSTON, TX/US	MOBILUBE S 80W-90	ZF012155

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MOBILUBE HD-A 85W-90
MOBIL DELVAC MODERN AXLE OIL 85W-90 V1
AVIATICON FINKOGear PREMIUM 75W-90
AVIATICON FINKOGear SUPER 80W-90
AVIATICON HYPOID EP 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 GEAR HYP SAE 90
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
PENTOSIN G5 85W-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
TITAN SUPERGEAR PLUS SAE 80W-90
TITAN SUPERGEAR MC SAE 80W-140
KIXX GEARTEC X GL-5 80W-90
GULF GEAR TDL 80W-90
GULF SYNGEAR 75W-90
GULF GEAR DB 80W-90
GULF GEAR DB 90
GULF GEAR DB 85W-90
GULF GEAR HD 85W-90
GULF GEAR LD 80W-90
FASTROL MTF5 80W-90
LONGEVIA TC ECO 80W-90
LONGEVIA TCX ECO 75W-90
LONGEVIA HD 80W-90
SYNTHEGEAR 75W-90
INA HIPENOL GTL DB 90
INA HIPENOL GTL HD 80W-90
INA HIPENOL GTL HD 85W-140
INA HIPENOL TDL 80W-90
INA HIPENOL SHD 75W-90
MULTIGEROL 85W140
Q8 TRANS XGS 75W-90
Q8 TRANS XGR 75W-140
Q8 GEAR OIL XG SAE 80W-90
Q8 AXLE OIL XG SAE 80W-140
Q8 SYNTHETIC GEAR OIL SAE 80W-140
Q8 T 55 SAE 80W-90
Q8 T 55 SAE 85W-140
Q8 T 55 SAE 90
Q8 T 55 SAE 80W-90
ROXOR SUPER DUTY SYNTH 75W-140
ROXOR SUPER DUTY SYNTH 75W-90
ROXOR TOPGEAR 80W-90
LIEBHERR HYPOID 85W-140 EP
LIEBHERR GEAR HYPOID 90 EP
LIEBHERR SYNTOGear PLUS 75W-90
LIQUI MOLY HYPOID-GETRIEBEÖL GL5 SAE 85W-90
LIQUI MOLY HYPOID GETRIEBEÖL TDL SAE 80W-90
LIQUI MOLY VOLL SYN. HYPOID GETR.ÖL TRUCK (75W-90)
LIQUI MOLY HYPOID-GETRIEBEÖL GL5 SAE 80W-90
LIQUI MOLY HYPOID-GETRIEBEÖL (GL5) SAE 85W-140
LUKOIL TRANSMISSION LD 80W-90
LUKOIL TRANSMISSION B 85W-90
LUKOIL TRANSMISSION SYNTH BSX 75W-90
LUKOIL TRANSMISSION MN 75W-90
LUKOIL TRANSMISSION UNI 80W-90
MEGOL HYPOID-GETRIEBEOEL GL 5 SAE 85W-90
MEGOL HYPOID-GETRIEBEOEL TDL 80W-90
MEGOL GETRIEBEOEL TRUCK-SYNTH SAE 75W-90
MEGOL HYPOID-GETRIEBEOEL GL 5 SAE 85W-140
MEGOL HYPOID-GETRIEBEOEL GL 5 SAE 80W-90
CEPSA TRANSMISIONES B 85W-90
CEPSA TRANSMISIONES EP 85W-140
CEPSA TRANSMISIONES EP FE+LD 75W-90
CEPSA TRANSMISIONES EP 90
MAN SUPER AXLE 3343 75W-90
MAN SUPER AXLE 342-M2
MOL HYKOMOL K 85W90
MOL HYKOMOL ZF 80W90
MOL HYKOMOL TDL 75W90
YORK 896 75W90
YORK 793 SAE 80W90
YORK 793 SAE 85W140
MOTOREX YORK PENTA TL SAE 75W/90
MOTOREX YORK GEAR ZX TP SAE 80W/90
MOTOREX YORK UNIVERSAL SAE 80W90
MOTOREX YORK UNIVERSAL CT SAE 80W/90

ZF012157
ZF012186
ZF002249
ZF002299
ZF012141
ZF000642
ZF000645
ZF000647
ZF000650
ZF000656
ZF000722
ZF000732
ZF001030
ZF001036
ZF001195
ZF001422
ZF003344
ZF003624
ZF004809
ZF004810
ZF004921
ZF004930
ZF004931
ZF010958
ZF006028
ZF003553
ZF000780
ZF000863
ZF000879
ZF000886
ZF000887
ZF001151
ZF001950
ZF003435
ZF008379
ZF008392
ZF008396
ZF008361
ZF000416
ZF000417
ZF000418
ZF000432
ZF000977
ZF001630
ZF002103
ZF000179
ZF000853
ZF002103
ZF002102
ZF002105
ZF002110
ZF002111
ZF002112
ZF002113
ZF003681
ZF010967
ZF009457
ZF010966
ZF000847
ZF004912
ZF006012
ZF000695
ZF001323
ZF001347
ZF002053
ZF005974
ZF010982
ZF010981
ZF010972
ZF012099
ZF012150
ZF000069
ZF001183
ZF001291
ZF001997
ZF001998
ZF000084
ZF000085
ZF000086
ZF000087
ZF000097
ZF000965
ZF000966
ZF001113
ZF001118
ZF003365
ZF000550
ZF001129
ZF001130
ZF006007
ZF006006
ZF006027
ZF006108

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MOTOREX YORK GEAR ZX TP SAE 80W/140
MOTOREX YORK UNISYNT ZX SAE 75W90
MOTUL GEAR SYNTH TDL 75W-90
MIDLAND SENSOGEAR 75W-90
OEST SYNTH GETRIEBEÖL SAE 75W-90
OEST GETRIEBEÖL FE SAE 80W-90 GL4/5
OEST MEHRZWECK-GETRIEBEÖL SPEZIAL SAE 85W-90
OILFINO VARIUS G 500 80W-90
OTOKAR SPECTRA DZ Z 80W-90
PLATINUM GEAR GL-5 80W-90
ORLEN OIL GEAR LL-5 80W-90
ORLEN OIL GEAR LL 80W-90
LOTOS TITANIS GL-5 80W-90
TITANIS SUPER GL-5 80W-90
LOTOS TITANIS GL-5 80W-90
GLOBAL MULTIGEAR TS SAE 75W/90
GLOBAL GEAR SA SAE 85W-140
TRAXON 85W-140
TRAXON XL SYNTHETIC BLEND 80W-140
TRAXON 80W-90
TRAXON 85W-140
TRAXON 85W-140
TRAXON 80W-90
TRAXON XL SYNTHETIC BLEND 80W-140
TRAXON SYNTHETIC 75W-90
TRAXON 80W-90
TRAXON SYNTHETIC 75W-90
GALP TRANSOIL HP 80W90
GALP TRANSOIL HP 85W140
GALP TRANSVEX TDL 85W140
GALP TRANSVEX TDL 75W90
GALP TRANSOIL HP XT 80W90
MAXIGEAR TECH EP-X 80W-90
MAXIGEAR D 75W-90
MAXIGEAR EP-X 80W-90
ARBOR TRW 90 (SAE 80W-90)
ARBOR TRW 140 (SAE 85W-140)
AMBRA HYPOIDE 90 (SAE 80W-90)
AKCELA GEAR 135H EP (SAE 80W-90)
AKROS GEAR EP 90 (SAE 80W-90)
AMBRA HYPOIDE 140 (SAE 85W-140)
AKCELA GEAR 135H EP (SAE 85W-140)
TUTELA TRANSMISSION W90/LA (SAE 80W-90)
TUTELA TRANSMISSION W90/M-DA (SAE 80W-90)
TUTELA TRANSMISSION W140/M-DA (SAE 85W-140)
TUTELA TRANSMISSION X-ROAD (75W-140)
TUTELA TRANSMISSION FE-AXLE (SAE 75W-90)
ARBOR TRW 90 (SAE 80W-90)
TUTELA TRANSMISSION STARGEAR AX-ED (SAE 75W-90)
TUTELA TRANSMISSION W140/M-DA (SAE 85W-140)
AMBRA HYPOIDE 90 (SAE 80W-90)
PETRONAS TUTELA AXLE 700 EHD 75W-90
TUTELA TRANSMISSION W 90/LA (SAE 80W-90)
ARBOR TRW 90 (SAE 80W-90)
AKCELA GEAR 135H EP (SAE 80W-90)
AMBRA HYPOIDE 140 (SAE 85W-140)
AKCELA GEAR 135H EP (SAE 85W-140)
ARBOR TRW 140 (SAE 85W-140)
AKROS GEAR EP 90 (SAE 80W-90)
TUTELA TRANSMISSION W 90/M-DA (SAE 80W-90)
PETRONAS TUTELA AXLE 700 EHD 75W-140
PETRONAS TUTELA AXLE 300 85W-140
PETRONAS TUTELA AXLE 300 80W-90
PETRONAS TUTELA AXLE 300 85W-140
PETRONAS TUTELA AXLE 300 80W-90
UNIGEAR GOLD 75W90
UNIGEAR GOLD 75W90
PRISTA EP 90
PRISTA EP 80W-90
RAVENOL HYPOID EPX GETR.-OEL 80W-90 GL5
RAVENOL SLG SAE 80W-90
RAVENOL GEAR SUPER SYNTH GSS SAE 75W-90
RAVENOL GEAR TRANS SYNTH GTS SAE 75W-90
RAVENOL TDG SAE 75W-110
REPSOL CARTAGO EP SAE 90
REPSOL CARTAGO FE LD 75W90
REPSOL CARTAGO EP MULTIGRADO SAE 80W90
REPSOL CARTAGO EP MULTIGRADO SAE 85W140
REPSOL CARTAGO LD 80W90
REPSOL CARTAGO LD 85W140
REPSOL NAVIGATOR FE LL 75W-90
REPSOL NAVIGATOR LL 80W-90
REPSOL NAVIGATOR LL 85W-140
REPSOL NAVIGATOR HQ GL-5 80W-90
REPSOL NAVIGATOR HQ GL-5 85W-140
REPSOL NAVIGATOR HQ GL-5 SAE 90
ROLF TRANSMISSION S9 AGE 75W-90
ROLF TRANSMISSION M5 A 80W-90
TRANSMISSION 80W-90 GL5
SHELL SPIRAX S3 AS 80W-140

ZF007146
ZF008207
ZF008225
ZF003680
ZF000041
ZF005565
ZF000566
ZF000741
ZF004755
ZF000502
ZF011288
ZF011188
ZF000923
ZF001098
ZF005949
ZF001224
ZF001833
ZF000778
ZF002287
ZF003389
ZF003390
ZF011057
ZF011024
ZF011058
ZF011913
ZF000764
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ZF000772
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ZF000777
ZF000980
ZF001981
ZF001665
ZF001591
ZF001499
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ZF000008
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ZF000232
ZF000233
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ZF000235
ZF000516
ZF000666
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ZF000839
ZF001199
ZF001201
ZF001738
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ZF003658
ZF003659
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ZF001203
ZF003606
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ZF006037
ZF006038
ZF008351
ZF00379
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ZF008269
ZF008270
ZF008271
ZF008272
ZF008273
ZF003626
ZF003629
ZF000610
ZF000479

**Numero di
approvazione ZF**

SHELL SPIRAX S3 AX 85W-140
SHELL SPIRAX S3 AX 80W-90
SHELL SPIRAX S3 AD 80W-90
SHELL SPIRAX S3 AM 80W-90
SHELL SPIRAX S6 AXME 75W-90
SHELL SPIRAX HD 80W- 90
SHELL SPIRAX HD 80W- 90
SHELL SPIRAX S 75W-140
SHELL SPIRAX S4 AX (80W-90)
SHELL SPIRAX S4 AX (80W-90)
SHELL SPIRAX S4 AX (80W-90)
SHELL SPIRAX S6 ADME 75W- 90
SHELL SPIRAX S3 AX 85W-140
SHELL SPIRAX S4 AX (80W-90)
SHELL SPIRAX S3 AX 80W-90
SHELL SPIRAX S3 AX 85W-140
SHELL SPIRAX S3 AX 85W-140
SHELL SPIRAX S3 AX 85W-140
SHELL SPIRAX S3 AX 85W-140
SHELL SPIRAX S3 AX 85W-140
SHELL SPIRAX S3 AX 80W-90
SHELL SPIRAX S3 AX 80W-90
SHELL SPIRAX S3 AX 80W-90
SHELL SPIRAX S3 AX 80W-90
SHELL SPIRAX S3 AX 80W-90
SHELL SPIRAX S3 AX 80W-90
SHELL SPIRAX S6 AXME 75W-140
SHELL SPIRAX MB 90
GEARLUBE HG M2 SAE 80W-90
SINOPEC GREATWALL VT 75W/90
SINOPEC MULTIPURPOSE-II GEAR OIL 80W-90
SINOPEC GREATWALL MULTIPURPOSE GEAR OIL 80W-90
SRS WOLIOL HYPOID-GETRIEBEÖL 80W-90
SRS WOLIOL HYPOID-GETRIEBEÖL 85W-140
SRS WOLIOL HYPOID-GETRIEBEÖL 90
SRS GETRIEBEFLUID SML 80W-90
SRS GETRIEBEFLUID SXL 75W-90
SRS WOLIOL HL 5 SAE 80W-90
SRS WOLIOL HL 5 SAE 85W-90
SRS WOLIOL HGAV 80W-90
SRS WOLIOL HL 5 85W-140
SWD RHEINOL SYNKRÖL 5 - SAE 85W140
TEDEX SUPER GEAR OIL (TDL) SAE 80W-90
TEXSA GEAR MULTI GL-5 85W140
TEXSA GEAR MULTI GL-5 90
TEXSA GEAR MULTI GL-5 80W90
MONTANA DYNAMIC TRACTOGEAR 5 80W90
ELF TRANSOLF TYPE B 90
TRAXIUM DUAL 8 FE 80W-90
TRAXIUM AXLE 7 85W-140
TRAXIUM DUAL 9 FE 75W-90
DYNATRANS HD 80W-90
TRAXIUM AXLE 7 85W-90
TRAXIUM AXLE 7 85W-90
TRANSOLF TYPE B 85W-140
TRAXIUM AXLE 7 80W-90
TRAXIUM AXLE 7 80W-90
TRANSOLF TYPE B 80W-90
TRAXIUM AXLE 9 80W-90
TRAXIUM AXLE 9 80W-90
TRANSOLF TYPE B 80W-90
DYNATRANS HD 80W 90
TRAXIUM AXLE 8 FE 80W-140
DYNATRANS HD 85W-140
TRANSOLF SYN FE 75W-90
TRAXIUM AXLE 7 80W-90
TRAXIUM AXLE 7 80W-90
GEAR ZF 80W90
VALVOLINE HEAVY DUTY TDL PRO 75W-90
VALVOLINE HEAVY DUTY AXLE OIL PRO 80W-90 LD
VALVOLINE HEAVY DUTY AXLE OIL PRO 75W-140
KUBOTA 80W-90 GEAR LUBRICANT HD
LUBRAX TRM 5 SAE 85W-140
LUBRAX TRM 5 SAE 90
LUBRAX TRM 5 SAE 85W-140
HOYER GEAR F-FP 75W-90
HOYER GEAR M-FS 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

ZF001232
ZF001233
ZF001237
ZF001292
ZF001262
ZF001352
ZF001353
ZF001354
ZF001380
ZF001619
ZF001620
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ZF008328
ZF008393
ZF011486
ZF011518
ZF000343
ZF001283
ZF001837
ZF001874
ZF008218
ZF001474
ZF006105
ZF007142
ZF001193
ZF011992
ZF003525
ZF009462
ZF001684
ZF012095
ZF001296

Classe dei lubrificanti 21C

Olio per cambi con additivi "limited slip"

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

Produttore (21C)

ADDINOL LUBE OIL GMBH, LEUNA/DE
ADDINOL LUBE OIL GMBH, LEUNA/DE
AGCO GMBH, MARKTOBERDORF/DE
AGCO GMBH, MARKTOBERDORF/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
FINKE MINERALÖLWERK GMBH, 27374 VISSELHÖVEDE/DE
FUCHS PETROLUB SE, MANNHEIM/DE
GS CALTEX CORPORATION, SEOUL/KR
GS CALTEX CORPORATION, SEOUL/KR
GULF OIL INTERNATIONAL, MUMBAI/IN
HINDUSTAN PETROLEUM CORPORATION LTD., MUMBAI/IN
HITACHI CONSTRUCTION MACHINERY EUROPE NV, AMSTERDAM/NL
HUILES BERLIET S.A., SAINT-PIERST/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
LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT
LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT
LUKOIL LUBRICANTS EUROPE GMBH, VIENNA/AT
MEGUIN GMBH & CO. KG, SAARLOUIS/DE
MOEVE COMMERCIAL 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
WILHELM HOYER B.V. & CO. KG, VISSSELHÖVEDE/DE
WOLF OIL CORPORATION N.V., HEMIKSEM/BE
ZF FRIEDRICHSHAFEN AG, FRIEDRICHSHAFEN/DE

Denominazione prodotto (21C)

ADDINOL GETRIEBEÖL GH 85W-90 LS
ADDINOL GETRIEBEÖL GH 80W-90 LS
VALTRA AXLE LS 85W-90
FENDT SUPER TRANS LS 85W-90
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
AVIATICON HYPOID LS 90
FUCHS TITAN GEAR LS SAE 90
DOOSAN LS GEAR OIL 80W90
DEVELON LS GEAR OIL 80W90
GULF GEAR LS 90
HP GEAR OIL ZFL 80W 90 LS
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
LUKOIL GEAR GL-5 LS 85W-90
LUKOIL TRANSMISSION LS 80W-90
LUKOIL TRANSMISSION LS 85W-90
MEGOL HYPOID-GETRIEBEOEL AXLE LS SAE 85W-90
CEPSA 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 WIOLIN 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
HOYER GEAR M-LS 90
WOLF OFFICIALTECH 80W90 LS GL 5
ZF POWERFLUID GEAR LS

**Numero di
approvazione ZF**

ZF000629
ZF000703
ZF003466
ZF003467
ZF012107
ZF004776
ZF001167
ZF012142
ZF002257
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ZF000442
ZF006120
ZF006121
ZF006122
ZF008173
ZF000526
ZF001996
ZF011994
ZF003552
ZF008414

Classe dei lubrificanti 21E
Olio universale per assali e cambi

Produttore (21E)	Denominazione prodotto (21E)	Numero di approvazione ZF
CNH INDUSTRIAL AMERICA LLC, RACINE, WI/US VIBRA ENERGIA S.A., DUQUE DE CAXIAS/BR	PREMIUM TRANSAXLE OIL 80W-140 LUBRAX UNITRACTOR 10W-30	ZF005941 ZF010660

Classe dei lubrificanti 21F
Olio universale per assali e cambi

Produttore (21F)

ADDINOL LUBE OIL GMBH, LEUNA/DE
ADDINOL LUBE OIL GMBH, LEUNA/DE
AGCO GMBH, MARKTOBERDORF/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
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
BP PLC., 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
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
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
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
GB LUBRICANTS, GATESHEAD/GB
GS CALTEX CORPORATION, SEOUL/KR
GULF OIL INTERNATIONAL, MUMBAI/IN
GULF OIL INTERNATIONAL, MUMBAI/IN
HUILES BERLIET S.A., SAINT-PRIEST/FR
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
MEGUIN GMBH & CO. KG, SAARLOUIS/DE
MEGUIN GMBH & CO. KG, SAARLOUIS/DE
MOEVE COMMERCIAL S.A.U., MADRID/ES
MOTOREX AG, LANGENTHAL/CH
MOTOREX AG, LANGENTHAL/CH
MOTOREX AG, LANGENTHAL/CH
OPET FUCHS MADENI YAG SAN. VE TIC. A.S., IZMIR/TR
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

Denominazione prodotto (21F)

ADDINOL UTTO SAE 10W-30
ADDINOL UTTO EXTRA (SAE 20W-40)
VALTRA TRANSMISSION XT60
VELA C+ AGROLUBE
VELA C+ LANDINI
VELA C+ MCCORMICK
AVIA HYDROFLUID DLZ
AVIA HYDROFLUID TD
AVIA POWERTRAIN UTTO-DLZ
TECTROL UTTO-ZF
TECTROL UTTO-HF
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
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
DEVOLON AXLE OIL STANDARD
GULF MPTF 10W-30
GULF MPTF 10W-30
EPMF
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 PLUS 20W-40
LIEBHERR GEAR MF 80W
LIQUI MOLY SPECIAL UTTO
LIQUI MOLY TRAKTORÖL UTTO
MEGOL TRAKTORENOEL UTTO PREMIUM SAE 10W-30
MEGOL TRAKTORENOEL UTTO
CEPSA AURIGA TE 55 10W-30
MOTOREX YORK FARMER POLY 304
MOTOREX YORK UTTO CF SAE 10W30
MOTOREX YORK FARMER POLY 604
OPET FULLGEAR FD 80W-140
UTTO FLUID 4 D SAE 10W-30
GALP TRALUB 807 S
MAXITRAK TMS OIL 500
AMBRA MULTI G (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)
AMBRA MULTI G (SAE 10W-30)

**Numero di
approvazione ZF**

ZF000509
ZF001845
ZF003465
ZF003719
ZF003717
ZF003718
ZF005975
ZF001811
ZF012242
ZF001161
ZF002193
ZF012190
ZF012243
ZF004739
ZF000897
ZF002188
ZF004801
ZF000834
ZF011908
ZF011782
ZF011650
ZF011683
ZF011716
ZF011783
ZF011749
ZF011941
ZF011940
ZF001687
ZF010627
ZF001971
ZF000040
ZF000060
ZF003675
ZF004764
ZF005939
ZF008221
ZF008383
ZF011883
ZF011983
ZF011982
ZF011970
ZF011968
ZF011969
ZF011972
ZF004850
ZF000661
ZF002184
ZF002183
ZF004829
ZF012245
ZF000870
ZF011963
ZF000921
ZF000922
ZF008266
ZF000400
ZF000433
ZF000613
ZF001223
ZF008247
ZF000177
ZF001636
ZF002096
ZF003538
ZF003694
ZF012087
ZF009445
ZF001856
ZF004845
ZF006093
ZF004844
ZF001368
ZF011939
ZF001344
ZF011906
ZF001200
ZF008198
ZF008241
ZF006009
ZF001866
ZF012042
ZF000849
ZF001351
ZF000544
ZF000545
ZF000551

**Numero di
approvazione ZF**

ZF000944
ZF001184
ZF001149
ZF001461
ZF001634
ZF001838
ZF002075
ZF002092
ZF002093
ZF002131
ZF002152
ZF003443
ZF004830
ZF009459
ZF009460
ZF010231
ZF010264
ZF010000
ZF000943
ZF009467
ZF011937
ZF011980
ZF000958
ZF001718
ZF008204
ZF003445
ZF002229
ZF002230
ZF000707
ZF001131
ZF008341
ZF000357
ZF000358
ZF000359
ZF001295
ZF001613
ZF003325
ZF005938
ZF008286
ZF001959
ZF000105
ZF004916
ZF003380
ZF004867
ZF001346
ZF002222
ZF008262
ZF003565
ZF009470
ZF002041
ZF001366
ZF011996
ZF005951
ZF011927

Classe dei lubrificanti 21G

Olio universale premium per assali e cambi

Produttore (21G)	Denominazione prodotto (21G)	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 21K

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 21L

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 21M

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 (21M)

PANOLIN DISTRIBUTION AG, STEINHAUSEN/CH
PANOLIN DISTRIBUTION AG, STEINHAUSEN/CH
PANOLIN DISTRIBUTION AG, STEINHAUSEN/CH

Denominazione prodotto (21M)

SHELL PANOLIN S4 HLP SYNTH 32
SHELL PANOLIN S4 HLP SYNTH 46
SHELL PANOLIN S4 HLP SYNTH 68

**Numero di
approvazione ZF**

ZF012032
ZF012033
ZF012034

Classe dei lubrificanti 21N

Olio per cambi con additivi "limited slip"

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

Produttore (21N)

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 PETROLUB 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, VISSELHÖVEDE/DE
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE
 WOLF OIL CORPORATION N.V., HEMIKSEM/BE
 ZELLER+GMELIN GMBH&CO.KG, EISLINGEN/DE

Denominazione prodotto (21N)

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 21Q

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