



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	21C	21C / 21E / 21F / 21G
TerraSteerAxle (TSA), TerraDriveAxle (TDA)	21C / 21E / 21F / 21G	21C / 21E / 21F / 21G
Kintra KC	21A / 21C / 21E / 21F / 21G	21A / 21C / 21E / 21F / 21G
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	21A / 21C / 21G	21A / 21C / 21G
Trasmissioni finali per macchine da raccolta S-800, S-950, S-1050, S-1250	21A	21A

La tabella dei lubrificanti TE-ML 21, **edizione 01.01.2021** 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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D-88038 Friedrichshafen
www.zf.com/contact

2. Intervalli di sostituzione dell'olio








2.1 Intervallo di prima sostituzione dell'olio

Classe dei lubrificanti	21A	21C	21E / 21F / 21G
Gruppi di prodotto	Intervallo di prima sostituzione dell'olio		
Assali APL, AS, TSA, TDA	-	1000 h	1000 h
Assali Kintra KC	100 h	100 h	100 h
Trasmissioni per macchine da raccolta	500 h	-	-
Semiassi ZF	500 h	500 h	500 h
Trasmissioni finali per macchine da raccolta	500 h	-	-

2.2 Intervalli di sostituzione dell'olio seguenti

Classe dei lubrificanti	21A	21C	21E / 21F / 21G
Gruppi di prodotto	Intervalli di sostituzione dell'olio seguenti		
Assali APL, AS, TSA, TDA	-	1000 h	1500 h
Assali Kintra KC	500 h	500 h	500 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	Grasso di lubrificazione
Tutti	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. 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.

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.

6. Classi di lubrificanti e prodotti commerciali benestariati

Classe dei lubrificanti 21A

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 (21A)

ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 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
 ARAL AG, BOCHUM/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 AVISTA OIL DEUTSCHLAND GMBH, UETZE/DE
 BAHRAIN PETROLEUM COMPANY, AWALI/BH
 BAHRAIN PETROLEUM COMPANY, AWALI/BH
 BAHRAIN PETROLEUM COMPANY, AWALI/BH
 BASF SE, LUDWIGSHAFEN/DE
 BASF SE, LUDWIGSHAFEN/DE
 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
 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
 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
 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
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 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
 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
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 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

Denominazione prodotto (21A)

ADDINOL GETRIEBEÖL GH 85W-90
 ADDINOL GETRIEBEÖL GH 80W-90
 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-90
 ARAL GETRIEBEÖL HYP 85W-140
 PENNASOL HYPOID GEAR OIL GL 5 SAE 90
 PENNASOL MULTIGRADE HYPOID GEAR OIL GL 5 SAE 80W90
 AVISTA PEER EVO GL5 SAE 80W-90
 AVISTA PEER EVO GL4/GL5 SAE 80W-90
 AVISTA PEER EVO GL5 SAE 85W-90
 AVISTA PEER EVO PRIME GL4/GL5 SAE 80W-90
 SPAREX EP 90 GL-5
 SPAREX EP 90 GL-5
 SPAREX EP 80W-90 GL-5
 SPAREX EP 85W-140 GL-5
 EMGARD HP 75W-90
 EMGARD UAF 7105
 TECTROL MULTIGEAR HYP 90
 TECTROL MULTIGEAR PLUS 8090
 BELGIN LUBEX MITRAS AX SYN ULTRA 75W-90
 EVOLCA SGP 75W90
 EVOLCA BGP 80W90
 BP ENERGEAR HT 80W-90
 BP ENERGEAR HYPO XL 80W-90
 BP ENERGEAR SHX-M 75W-90
 BP ENERGEAR HYPO 90
 BP ENERGEAR HYPO 85W-140
 BP ENERGEAR HYPO 80W-90
 UNISYNT ZX SAE 75W90
 YORK 896 75W90
 YORK 793 SAE 80W90
 YORK 793 SAE 85W140
 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
 MOTOREX UNIVERSAL SAE 80W90
 YORK 1091 SAE 80W/90
 CASTROL SYNTRAX UNIVERSAL 80W-90
 CASTROL AXLE LONG DRAIN 80W-90
 CASTROL SYNTRAX LONG LIFE 75W-90
 CASTROL AXLE EPX 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 TRANSMAX AXLE EPX 85W-90
 CASTROL AXLE EPX 80W-90
 CASTROL TRANSMAX AXLE LONG DRAIN 80W-90
 CEPSA TRANSMISIONES EP 80W-90
 CEPSA TRANSMISIONES EP 85W-140
 CEPSA TRANSMISIONES EP FE+LD 75W-90
 CEPSA TRANSMISIONES EP 90
 MAN SUPER AXLE 3343 75W-90
 MAN SUPER AXLE 342-M2
 CHAMPION OEM SPECIFIC 75W90 GL 5
 HYPOID LD SAE 85W-90
 MULTIGEAR 80W-90
 MULTIGEAR PREMIUM EP SAE 85W-140
 MULTIGEAR EP SAE 90
 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
 GEARTEX EP-5 85W-90
 GEARTEX EP-5 80W-90

Numero di approvazione ZF

ZF000555
 ZF000671
 ZF000672
 ZF002260
 ZF003561
 ZF003620
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 ZF002278
 ZF002279

Produttore (21A)

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
DE OLIEBRON BV, ZWIJNDRECHT/NL
EKO ABEE, 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
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
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
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
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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
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
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
GRUPA LOTOS S.A., GDANSK/PL
GS CALTEX CORPORATION, SEOUL/KR
GULF OIL INTERNATIONAL, MUMBAI/IN
GULF OIL INTERNATIONAL, MUMBAI/IN
GULF OIL INTERNATIONAL, MUMBAI/IN
GULF OIL INTERNATIONAL, MUMBAI/IN
GULF OIL INTERNATIONAL, MUMBAI/IN
GULF OIL INTERNATIONAL, MUMBAI/IN
GULF OIL INTERNATIONAL, MUMBAI/IN
GULF OIL INTERNATIONAL, MUMBAI/IN
HILL CORPORATION, SHYMKENT/KZ
HUILES BERLIET S.A., SAINT-PRIEST/FR
HUILES BERLIET S.A., SAINT-PRIEST/FR
INA MAZIVA LTD., ZAGREB/HR
INA MAZIVA LTD., ZAGREB/HR
INA MAZIVA LTD., ZAGREB/HR
INA MAZIVA LTD., ZAGREB/HR
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

Denominazione prodotto (21A)

GEARTEX EP-5 85W-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 SUPER GEAR OIL 80W90
TOR UNI GEAR LD 75W90
TOR UNI GEAR 75W110 LD
EKO GEAROL-5 80W-90
MULTIHIPO 75W-90 SINT
MULTIHIPO PLUS 80W-90
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
MOBILUBE HD-A 85W-90
MOBIL DELVAC SYNTHETIC GEAR OIL 75W-90
MOBIL DELVAC SYNTHETIC GEAR OIL 80W-140
MOBILUBE S 80W-90
MOBIL DELVAC 1 GEAR OIL 75W-90
MOBIL DELVAC 1 GEAR OIL 80W-140
MOBIL DELVAC ULTRA TOTAL DRIVE LINE 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 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
G-TRUCK GL-4/GL-5 80W-90
G-TRUCK GL-5 80W-90
GAZPROMNEFT SUPER T-3 SAE 85W90
G-BOX GL-4/GL-5 75W-90
GAZPROMNEFT GL-4/GL-5 75W-90
KAMAZ G-PROFI SERVICE LINE GL-4/GL-5 75W-90
GAZPROMNEFT GL-5 80W-90
ROSTSELMASH G-PROFI GRIP GL-5 85W-90
WEGO GL-5 80W-90
G-TRUCK GL-5 85W-140
OEST SYNTH GETRIEBEÖL SAE 75W-90
OEST GETRIEBEÖL FE SAE 80W-90 GL4/5
OEST MEHRZWECK-GETRIEBEÖL SPEZIAL SAE 85W-90
TITANIS SUPER GL-5 80W/140
TITANIS SUPER GL-5 75W/90
LOTOS TITANIS GL-5 80W-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 DB 80W-90
GULF GEAR DB 90
GULF GEAR DB 85W-90
GULF GEAR LD 80W-90
GULF GEAR HD 85W-90
GULF GEAR LD 80W-90
FASTRIL MTF5 80W-90
RTO LONGEVIA TC ECO 80W-90
RTO LONGEVIA TCX ECO 75W-90
INA HIPENOL GTL DB 90
INA HIPENOL GTL HD 80W-90
INA HIPENOL 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 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
Q8 T 55 SAE 80W-90

Numero di approvazione ZF

ZF002280
ZF003353
ZF003442
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ZF000668
ZF000763
ZF000769
ZF000776
ZF001681
ZF001682
ZF003699
ZF002249
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ZF000656
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ZF000732
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ZF000926
ZF002102
ZF002103
ZF002105
ZF002110

Produttore (21A)

KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 KUWAIT PETROLEUM INTERNATIONAL LUBRICANT, ANTWERP/NL
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIEBHERR HYDRAULIKBAGGER GMBH, KIRCHDORF/DE
 LIQUI MOLY GMBH, ULM/DE
 LIQUI MOLY GMBH, ULM/DE
 LIQUI MOLY GMBH, ULM/DE
 LIQUI MOLY GMBH, ULM/DE
 LIQUI MOLY GMBH, ULM/DE
 LIQUI MOLY GMBH, ULM/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MEGUIN GMBH & CO. KG, SAARLOUIS/DE
 MINERVA-OIL SAS, MEUZAC/FR
 MOL-LUB KFT, ALMASFUZITO/HU
 MOL-LUB KFT, ALMASFUZITO/HU
 MOL-LUB KFT, ALMASFUZITO/HU
 MOOVE LUBRICANTS, GRAVESSEND/GB
 MOOVE LUBRICANTS, GRAVESSEND/GB
 MORRIS LUBRICANTS, SHREWSBURY/GB
 MORRIS LUBRICANTS, SHREWSBURY/GB
 MOTUL SA, AUBERVILLIERS/FR
 NILS SPA, BURGSTALL/IT
 NIS AD, NOVI SAD/RS
 NIS AD, NOVI SAD/RS
 NIS AD, NOVI SAD/RS
 OEL-BRACK AG, HUNZENSCHWIL/CH
 OILFINO MINERALÖL GMBH, PRISDORF/DE
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OOO "LLK-INTERNATIONAL", MOSCOW/RU
 OPET FUCHS MADENI YAG. SAN. VE TIC. A.S., IZMIR/TR
 ORLEN OIL SP. Z O.O., KRAKOW/PL
 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
 PANOLIN AG, MADETSWIL/CH
 PANOLIN AG, MADETSWIL/CH
 PANOLIN AG, MADETSWIL/CH
 PAZ LUBRICANTS & CHEMICALS, HAIFA/IL
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 PETRO-CANADA LUBRICANTS INC., MISSISSAUGA, ONTARIO/CA
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR
 PETROBRAS DISTRIBUIDORA S.A., DUQUE DE CAXIAS/BR
 PETROGAL S.A., LISBOA/PT
 PETROGAL S.A., LISBOA/PT
 PETROGAL S.A., LISBOA/PT
 PETROGAL S.A., LISBOA/PT
 PETROGAL S.A., LISBOA/PT
 PETROL OFISI A.S., ISTANBUL/TR
 PETROL OFISI A.S., ISTANBUL/TR
 PETROL OFISI A.S., ISTANBUL/TR
 PETROMIN LUBRICANTS, JEDDAH/SA
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
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 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY

Denominazione prodotto (21A)

Q8 T 55 SAE 85W-140
 Q8 T 55 SAE 90
 Q8 T 55 SAE 80W-90
 LIEBHERR HYPOID 85W-140 EP
 LIEBHERR SYNTOGear PLUS 75W-90
 LIEBHERR GEAR HYPOID 90 EP
 LIQUI MOLY HYPOID-GETRIEBEÖL GL5 SAE 85W-90
 LIQUI MOLY HYPOID GETRIEBEÖL TDL SAE 80W-90
 LIQUI MOLY VOLLSYN. HYPOID GETR.ÖL TRUCK (75W-90)
 LIQUI MOLY HYPOID-GETRIEBEÖL GL5 SAE 80W-90
 LIQUI MOLY HYPOID-GETRIEBEÖL (GL5) SAE 85W-140
 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
 PBH EP 75W-90 TDL
 MOL HYKOMOL K 85W90
 MOL HYKOMOL ZF 80W90
 MOL HYKOMOL TDL 75W90
 COMMA PRO EP 80W-90
 COMMA PRO EP 75W-90 TDL
 EP 80W-90 GEAR OIL
 EP 85W-140
 MOTUL GEAR SYNTH TDL 75W-90
 ATOIL LIFT SAE 80W90
 NISOTEC HIPO LD SAE 80W-90
 NISOTEC HIPO LD ZF SAE 80W-90
 NISOTEC HIPO SINT TDL SAE 75W-90
 MIDLAND SENSOGear 75W-90
 OILFINO VARIUS G 500 80W-90
 LUKOIL TRANSMISSION TM-5 SAE 80W-90
 LUKOIL TRANSMISSION TM-5 SAE 85W-90
 LUKOIL TRANSMISSION TM-5 SAE 90
 LUKOIL TRANSMISSION TM-5 SAE 85W-140
 LUKOIL TRANSMISSION B 85W-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
 PLATINUM GEAR GL-5 80W-90
 TEBOil HYPOID SAE 75W-90
 TEBOil HYPOID SAE 80W-90
 TEBOil HYPOID SAE 80W-140
 GLOBAL MULTIGear TS SAE 75W90
 GLOBAL GEAR SA SAE 85W-140
 PANOLIN TOPGear 80W/90
 PANOLIN SUPER DUTY SYNTH 75W/140
 PANOLIN SUPER DUTY SYNTH 75W/90
 PANOLIN SUPER DUTY 90
 PANOLIN SUPER DUTY 80W/90
 PAZ GEAR LD 80W-90
 TRAXON 80W-90
 TRAXON 85W-140
 TRAXON SYNTHETIC 75W-90
 TRAXON XL SYNTHETIC BLEND 80W-140
 TRAXON 80W-90
 TRAXON 85W-140
 LUBRAX TRM 5 SAE 85W-140
 LUBRAX TRM 5 SAE 90
 GALP TRANSOil HP 80W90
 GALP TRANSOil HP 85W140
 GALP TRANSVEX TDL 85W140
 GALP TRANSVEX TDL 75W90
 GALP TRANSOil HP XT 80W90
 MAXIGear EP-X 80W-90
 MAXIGear D 75W-90
 MAXIGear TECH EP-X 80W-90
 PETROMIN GEAR BOX Z12 SAE 80W90
 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)

Numero di approvazione ZF

ZF002111
 ZF002112
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 ZF001972
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 ZF003636
 ZF003638

Produttore (21A)

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
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 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PHI OIL GMBH, ST. GEORGEN/AT
 PHI OIL GMBH, ST. GEORGEN/AT
 PRISTA OIL HOLDING EAD, RUSE/BG
 PRISTA OIL HOLDING EAD, RUSE/BG
 QATAR LUBRICANTS COMPANY, DOHA/QA
 QATAR LUBRICANTS COMPANY, DOHA/QA
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 RN-LUBRICANTS, LLC, MOSCOW/RU
 RN-LUBRICANTS, LLC, MOSCOW/RU
 RN-LUBRICANTS, LLC, MOSCOW/RU
 RN-LUBRICANTS, LLC, MOSCOW/RU
 RN-LUBRICANTS, LLC, MOSCOW/RU
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE
 SASOL ENERGY, JOHANNESBURG/ZA
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
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 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINGAPORE PETROLEUM COMPANY LIMITED, SINGAPORE/SG
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 SWD LUBRICANTS GMBH & CO.KG, DUISBURG/DE
 TEDEX S.A., WARSAWA/PL
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TEXSA DO BRASIL LTDA, UMUARAMA/PR/BR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 UNIL OPAL, SAUMUR/FR
 VALVOLINE EUROPE, DORDRECHT/NL
 VALVOLINE EUROPE, DORDRECHT/NL
 VALVOLINE EUROPE, DORDRECHT/NL
 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 (21A)

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
 UNIGEAR GOLD 75W90
 UNIGEAR GOLD 75W90
 PRISTA EP 90
 PRISTA EP 80W-90
 QALCO SUPER GEAR OIL ZX 85W-140
 QALCO SUPER GEAR OIL ZX 80W-90
 RAVENOL HYPOID EPX GETR.-OEL 80W-90 GL5
 RAVENOL TDG 75W-110
 RAVENOL SLG SAE 80W-90
 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
 ROSNEFT KINETIC HYPOID 80W-90
 ROSNEFT KINETIC HYPOID 85W-140
 ROSNEFT KINETIC HYPOID 85W-90
 ROSNEFT HYPOID GL-5 80W-90
 ROSNEFT HYPOID GL-5 85W-140
 ROLF TRANSMISSION S9 AGE 75W-90
 ROLF TRANSMISSION M5 A 80W-90
 SYN GEAR DIFFERENTIAL OIL 75W-90
 SHELL SPIRAX S6 AXME 75W-90
 SHELL SPIRAX MB 90
 SHELL SPIRAX MB 90
 SHELL SPIRAX S3 AS 80W-140
 SHELL SPIRAX S3 AX 85W-140
 SHELL SPIRAX S3 AX 80W-90
 SHELL SPIRAX S3 AD 80W-90
 SHELL SPIRAX S6 AXME 75W-90
 SHELL SPIRAX S3 AM 80W-90
 SHELL SPIRAX HD 80W-90
 SHELL SPIRAX HD 80W-90
 SHELL SPIRAX HD 80W-90
 SHELL SPIRAX S 75W-140
 SHELL SPIRAX S6 AXME 75W-90
 SHELL SPIRAX S4 AX (80W-90)
 SHELL SPIRAX S4 AX (80W-90)
 SHELL SPIRAX S4 AX (80W-90)
 SHELL SPIRAX S6 ADME 75W-90
 SHELL SPIRAX S6 AXME 75W-140
 GEARLUBE HG M2 SAE 80W-90
 SINOPEC GREATWALL VT 75W/90
 SINOPEC GREATWALL MULTIPURPOSE GEAR OIL 80W-90
 SINOPEC MULTIPURPOSE-II GEAR OIL 80W-90
 SRS WIOLIN HYPOID-GETRIEBEÖL 80W-90
 SRS WIOLIN HYPOID-GETRIEBEÖL 85W-140
 SRS WIOLIN HYPOID-GETRIEBEÖL 90
 SRS GETRIEBEFUID SML 80W-90
 SRS GETRIEBEFUID SXL 75W-90
 SRS WIOLIN HL 5 SAE 80W-90
 SRS WIOLIN HL 5 SAE 85W-90
 SWD RHEINOL SYNKROL 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 TRANSELF SYNTHESE FE 75W-90
 TOTAL TRANSMISSION DUAL 9 FE 75W-90
 TOTAL TRANSMISSION AXLE 7 85W-140
 ELF TRANSELF TYPE B 90
 TOTAL DYNATRANS HD 80W-90
 TRAXIUM DUAL 8 FE 80W-90
 TRAXIUM AXLE 7 80W-90
 TOTAL DYNATRANS HD 85W-140
 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
 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

ZF003639
 ZF003640
 ZF003641
 ZF003642
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 ZF004746
 ZF001342
 ZF001458
 ZF001941
 ZF001942
 ZF003665
 ZF001555
 ZF001771
 ZF001846
 ZF002069
 ZF002310
 ZF004817
 ZF004878
 ZF004881
 ZF000343
 ZF001283
 ZF001837
 ZF001874
 ZF003631
 ZF001629
 ZF003525
 ZF001612
 ZF001684
 ZF001266

Classe dei lubrificanti 21C

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 (21C)

ADDINOL LUBE OIL GMBH, LEUNA/DE
 ADDINOL LUBE OIL GMBH, LEUNA/DE
 AGCO GMBH, MARKTOBERDORF/DE
 AGCO GMBH, MARKTOBERDORF/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
 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

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
 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

Numero di approvazione ZF

ZF000629
 ZF000703
 ZF003466
 ZF003467
 ZF000140
 ZF000465
 ZF003689
 ZF000844
 ZF004776
 ZF001167
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 ZF001180
 ZF000981
 ZF000761
 ZF000791
 ZF003625
 ZF000700
 ZF001857
 ZF001898

Produttore (21C)

SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SINOPEC LUBRICANT CO., LTD., BEIJING/CN
 SK LUBRICANTS, SEOUL/KR
 SRS SCHMIERSTOFF VERTRIEB GMBH, SALZBERGEN/DE
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 TOTAL LUBRIFIANTS S.A., NANTERRE/FR
 UNIL OPAL, SAUMUR/FR
 VALVOLINE 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 (21C)

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
 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**

ZF001303
 ZF004813
 ZF000127
 ZF003340
 ZF000442
 ZF001255
 ZF001512
 ZF001545
 ZF001546
 ZF001548
 ZF002309
 ZF000526
 ZF001465
 ZF001996
 ZF004847
 ZF003552
 ZF001614

Classe dei lubrificanti 21E

Olio universale per assali e cambi

Produttore (21E)

CNH INDUSTRIAL AMERICA LLC, RACINE, WI/US

Denominazione prodotto (21E)

PREMIUM TRANSAXLE OIL 80W-140

**Numero di
approvazione ZF**
ZF005941

Produttore (21F)

PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PETRONAS LUBRICANTS INTERNATIONAL SDN BH, KUALA LUMPUR/MY
 PHI OIL GMBH, ST. GEORGEN/AT
 RAVENSBERGER SCHMIERSTOFFVERTRIEB GMBH, WERTHER/DE
 REPSOL LUBRICANTES Y ESPECIALIDADES, S.A, MADRID/ES
 ROLF LUBRICANTS GMBH, LEVERKUSEN/DE
 SAME DEUTZ FAHR, TREVIGLIO/IT
 SAME DEUTZ FAHR, TREVIGLIO/IT
 SASOL ENERGY, JOHANNESBURG/ZA
 SASOL ENERGY, JOHANNESBURG/ZA
 SAVITA OIL TECHNOLOGIES LIMITED, MUMBAI/IN
 SEANON PETROCHEMICAL CO.,LTD., LIUZHOU, GUANGXI/CN
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 SHELL INTERNATIONAL PETROLEUM COMP. LTD, LONDON/GB
 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 (21F)

ARBOR MTF (SAE 10W-30)
 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 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

ZF002093
 ZF002138
 ZF002139
 ZF002151
 ZF002152
 ZF003443
 ZF004830
 ZF000958
 ZF001718
 ZF003445
 ZF003375
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 ZF002098
 ZF002099
 ZF002222
 ZF003564
 ZF003565
 ZF002218
 ZF002041
 ZF003473
 ZF005951

Classe dei lubrificanti 21G

Olio universale premium per assali e cambi

Produttore (21G)

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

Denominazione prodotto (21G)

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

**Numero di
approvazione ZF**

ZF002162
ZF002087
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.