

2 Lubricating oil Quality Classes

Which lubricating oil qualities complying with DQC are required, also depending on the engine output and operating conditions, is set out in Technical Circular 0199-99-3002 and in the operating instructions of the various engine series. Below is a brief description of the oil Quality Classes according to DQC and the engines they are suitable for.

- DQC I-02 Lowest oil quality, sometimes reduced oil change intervals
- DQC II-05 Standard quality, usually used in engines with open crankcase ventilation
- **DQC III-05** High-performance diesel engine oil, **used in engines with closed crankcase ventilation** and for high-performance engines
- DQC IV-05 Ultra high-performance diesel engine oil for engines with highest level of output with closed crankcase ventilation

Engine oils that are released under the higher DQC classifications may also be used in the next lower DQC classes.

The engine oil properties must not change during normal storage periods and must be miscible in any ratio with other engine oils released by DEUTZ. No precipitation, layering or opacity may occur in these mixtures. The engine oils must be free of any solid particles and water.

Engine oils permitted under this standard must not contain any ingredients which are classified as **prohibited** or **undesirable** under VDA Guideline 232-101.

The designation and quantity of ingredients which have to be declared under VDA Guideline 232-101 must be shown.

2.1 Lubricating oil Quality Classes DQC I-02 and DQC II-05

Lubricating oils in the lubricating oil Quality Class DQC I-02 and DQC II-05 may be released by DEUTZ if the requirements for the following classifications are complied with:

DEUTZ lubricating oil Quality Class DQC I-02

ACEA E2-96 or API CF or API CF-4

DEUTZ lubricating oil Quality Class DQC II-05

ACEA E3-96 or ACEA E4-99 or ACEA E5-02 or ACEA E6-04 or ACEA E7-04 or API CG-4 or API CH-4 or API CI-4 or API CJ-4 or DHD-1

Lubricating oil of Quality Classes DQC I-02 and DQC II-05 which comply with these ACEA or API classifications may be used in DEUTZ engines without having a specific DEUTZ release.

Lubricating oils which have been tested in a DEUTZ release test and have been released by DEUTZ in writing may be listed in the datasheets or other publications by the lubricating oil manufacturers as complying with lubricating oil Quality Class DQC I-02 or DQC II-05. Such claims shall not be used for oils which have not been released.

Their viscosity classes may be one of the following SAE classes:

0W-30, 5W-30, 10W-30, 15W-30

0W-40, 5W-40, 10W-40, 15W-40

20W-50

(Choice of viscosity class depending on the ambient temperatures)

Single-grade oils are also permissible for DQC I-02 and DQC II-05 in terms of TR 0199-99-3002 specifications.

DEUTZ Schmieröl-Qualitätsklassen / Deutz Quality Class

Schnelllaufende Dieselmotoren / Deutz Compact Engines

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DQC II-05

Hersteller Manufacturer	Produktname Brandname	Viskositätsklasse SAE class	Verkaufsgebiet Marketing Area	Anwendungsinformationen Remarks
DEUTZ AG	DEUTZ OEL TLS 15W40 D	15W-40	weltweit / worldwide	
ADDINOL	ADDINOL Diesel Longlife MD 1548	15W-40	Europa, Asien, Russland / Europe, Asia, Russia	
ANTAR	ANTAR Agrimax FE	15W-30	Europa / Europe	
ENI S.p.A.	AGIP BLITUM T AGIP SIGMA Turbo	15W-40 15W-40	Europa / Europe	
BayWa AG	HDC-Motorenöl 15W-40 Rennklasse Turbo 2000 Super Truck 1540 TECTROL HDC 1540 TECTROL Super Truck Plus TECTROL Super Truck 15W40 TECTROL Turbo 1000 TECTROL Turbo 2000	15W-40 10W-40 15W-40 15W-40 15W-40 15W-40 10W-40 10W-40	Deutschland / Germany Europa / Europe	
BP Plc.	BP Vanellus Longdrain 15W-40	15W-40	Asien-Pazifik / Asia-Pacific	
Elf Lubricants	ELF Agritec FE	15W-30	weltweit / worldwide	
ExxonMobil Corp.	Exxon XD-3 Mobile Delvac MX Mobile Delvac 1300 Super Mobil Delvac MX ESP 15W-40	15W-40 15W-40 15W-40, 10W-30 15W-40, 10W-30	Nordamerika / North America Europa, Afrika, Asien-Pazifik / Europe, Africa, Asia-Pacific	aschearm / low ash oil aschearm / low ash oil
Fuchs Petrolub AG	TITAN Unic plus MC TITAN Unic MC TITAN Truck	10W-40 10W-40 15W-40	weltweit / worldwide	
Hessol Lubrication GmbH	Hessol Turbo Diesel	15W-40	Russland, Weißrussland, Kasachstan / Russia, Belarus, Kazakhstan	
Kuwait Petroleum	Q8 T750 SAE15W-40	15W-40	weltweit / worldwide	
Opet Petrolçüüük A.Ş.	Omega Turbo Premium X5 15W-40	15W-40	Türkei / Türkiye	
Orlen Oil	Platinum Ultor CH-4 15W-40	15W-40	weltweit / worldwide	
REPSOL	REPSOL DIESEL TURBO THPD	15W-40	Europa, Asien / Europe, Asia	
Shell International	Shell Rimula R3 X 15W-40	15W-40	weltweit / worldwide	
Statoil Lubricants	MaxWay 15W-40 PowerWay 15W-40	15W-40 15W-40	Europa, Asien / Europe, Asia	
TNK Lubricants	TNK Revolux D2 15W-40	15W-40	weltweit / worldwide	
Total Lubricants	TOTAL Rubia TIR 7200 FE TOTAL Tractagri FE RTO Maxima RLD Eco	15W-30 15W-30 15W-30	weltweit / worldwide	
YPF S.A.	Extravida XV 100 Extravida XV 200 Extravida XV 300	10W-40	Latin America	

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DQC III-05

Hersteller Manufacturer	Produktname Brandname	Viskositätsklasse SAE class	Verkaufsgebiet Marketing Area	Anwendungsinformationen Remarks
DEUTZ AG	DEUTZ OEL TLX 10W40 FE	10W-40	weltweit / worldwide	
ADDINOL	ADDINOL Extra Truck MD 1049 LE	10W-40	Europa, Asien, Russland / Europe, Asia, Russia	ascheam / low ash oil
	ADDINOL Super Longlife MD 1047	10W-40		
	ADDINOL Super Truck MD 1049	10W-40	weltweit / worldwide	
ANTAR	ANTAR Agrimax Syn	10W-40	Europa / Europe	
AVIA Mineralöl-AG	Turbosynth CFE 10W-40	10W-40	Europa / Europe	
	Turbosynth Low SAPS 10W-40	10W-40	Deutschland	ascheam / low ash oil
BayWa AG	BayWa Turbo 4000	10W-40	Deutschland / Germany	STOU-Multifunktionsöl / Tractor universal oil
	BayWa Super Truck 1040 MC	10W-40		
	BayWa Super Multisyn SL plus	10W-40		
	TECTROL Turbo 4000	10W-40	Europa / Europe	STOU-Multifunktionsöl / Tractor universal oil
	TECTROL Turbo 4000 A	10W-40		
	TECTROL Super Multisyn Plus	10W-40		
	TECTROL Super Truck 1040	10W-40		
	TECTROL Super Truck Plus 1040	10W-40		
ascheam / low ash oil				
BP Plc.	BP Vanellus Multi-Fleet 10W-40	10W-40	Europa / Europe	
Castrol Limeted	Castrol Agri Power Ultra	10W-40	Europa, Asien-Pazifik / Europe, Asia-Pacific	
Chevron Global Lubricants	Caltex Delo XLD Multigrade 10W40	10W-40	Afrika, Mittlerer Osten , Asien-Pazifik / Africa, Middle East, Asia-Pazific	
	Delo 400 Multigrade	15W-40	Amerika / America	
	Ursa TDX SAE 10W-40	10W-40	Europa, Asien / Europe, Asia	
CLAAS	Claas Agrimot Ultratec 10W40	10W-40	weltweit / worldwide	
De Oliebron	Tor Turbosynth NF	10W-40	Europa, Asien / Europe, Asia	
EMKA Schmiertechnik GmbH	EMKA Cargo 10W40	10W-40	weltweit / worldwide	ascheam / low ash oil
	EMKA Cargo LSP 10W40	10W-40		
ENI S.p.A.	AGIP SIGMA Truck	15W-40	Europa / Europe	
	AGIP SIGMA Ultra TFE	10W-40		
ELF Lubricants	ELF Agritec Syn FE	10W-30	weltweit / worldwide	
	ELF Agritec Syn	10W-40		
	ELF Performance TP	10W-40		
ExxonMobile Corp.	Mobile Delvac 1 ESP	5W-40	Nordamerika / North America	ascheam / low ash oil
	Mobile Delvac 1 LE 5W-30	5W-30	weltweit / worldwide	ascheam / low ash oil
Fuchs Petrolub AG	AGRIFARM STOU 10W-40 MC Pro	10W-40	weltweit / worldwide	STOU-Multifunktionsöl / Tractor universal oil
	TITAN Cargo LD	10W-40		
	TITAN Cargo Maxx	10W-40		
	TITAN Cargo MC	10W-40		
	TITAN Truck plus	15W-40		
	TITAN Unic Ultra MC	10W-40		
ascheam / low ash oil				
Gazpromneft - Lubricants	G-Profi MSI 10W40	10W-40	weltweit / worldwide	
Hessol Lubrication GmbH	Hessol Dimo Extra	10W-40	Russland, Weißrussland, Kasachstan / Russia, Belarus, Kazakhstan	ascheam / low ash oil
	Hessol Super Longlife	10W-40		
	Hessol Dimo	10W-40		
HUNOLD Schmierstoffe GmbH	EUROLUB Multicargo 10W/40	10W-40	Europe	
	EUROLUB Multitec 10W/40	10W-40		
Kuwait Petroleum	Q8 T905 10W-40 Low SAPS	10W-40	Europa, Russland, Asien / Europe, Russia, Asia	ascheam / low ash oil

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LOTOS S.A.	TURDUS SEMISYNTHETIC XHPDO 10W/40	10W-40	Europa, Asien, Afrika / Europe, Asia, Africa	
	TURDUS POWERTEC SYNTHETIC PLUS 10W40	10W-40	weltweit / worldwide	aschearm / low ash oil
Meguin GmbH & Co. KG	megal Motorenöl Super Leichtlauf FAMO	10W-40	weltweit / worldwide	
MOTUL S.A.	MOTUL Tekma Ultima+ 10W-40	10W-40	weltweit / worldwide	aschearm / low ash oil
Petro-Canada Lubricants	Duron-E Synthetic	10W-40	Nordamerika / North America	
Petronas Lubricants International	Arbor Alfaprima 10W-40	10W-40	Europa / Europe	aschearm / low ash oil
	Akros Synt Gold	10W-40	Europa, USA, Australien, Asien / Europe, US, Asia, Australia	
Ravensberger Schmierstoffvertrieb	RAVENOL Expert SHPD	10W-40	weltweit / worldwide	
OMV	OMV super truck SAE 10W-40	10W-40	weltweit	
Opet Petrolçüük A.Ş.	Omega Formula Blend 10W-40	10W-40	Türkei / Türkiye	
Shell International	Pennzoil Long-Life Gold	15W-40	Nordamerika / North America	aschearm / low ash oil
	Shell Rimula Super	15W-40	weltweit / worldwide	aschearm / low ash oil
	Shell Rotella T3	15W-40		aschearm / low ash oil
	Shell Rimula R4 L	15W-40		
	Shell Rimula RT4 L	15W-40		
	Shell Rotella T	15W-40	USA, Kanada, Europa / US, Canada, Europe	aschearm / low ash oil
	Shell Rotella T Triple Protection	15W-40	weltweit / worldwide	aschearm / low ash oil
SRS Schmierstoff Vertrieb GmbH	SRS Cargolub TFF	10W-40	Europa, Südafrika, Asien, Australien / Europe, South Africa, Asia, Australia	aschearm / low ash oil
	SRS Cargolub TFX	10W-40		
	SRS Cargolub TLA	10W-40		
	SRS Cargolub TFG plus	10W-40		
	SRS Turbo Diesel LA	10W-40		
	SRS Turbo-Rekord plus	15W-40	weltweit / worldwide	aschearm / low ash oil
Swd Lubricants	Swd Favorit LMF SAE 10W-40	10W-40	Europa, Asien / Europe, Asia	
	Swd Komparol MF SAE 10W-40 D	10W-40	Europe / Europe	
TNK Lubricants	TNK Revolux D3 15W-40	15W-40	ehemalige GUS-Staaten / Former SU	
Total Lubricants	TOTAL Rubia TIR 7900 FE	10W-30	weltweit / worldwide	aschearm / low ash oil
	TOTAL Rubia TIR 8600	10W-40		
	TOTAL Rubia Works 1000	15W-40		
	TOTAL TP Max	10W-40		
	TOTAL Tractagri HDX Syn FE	10W-30		
	TOTAL Tractagri HDX Syn	10W-40		
Unil Opal	PALLAS 900	10W-40	weltweit / worldwide	aschearm / low ash oil
Valvoline	Valvoline ProFleet LS SAE 10W-40	10W-40	Europa, Mittlerer Osten, Afrika / Europe, Middle East, Africa	aschearm / low ash oil
YPF S.A.	Extravida XV 500	10W-40	Latin America	

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