

# INDUSTRY STANDARD, ORIGINAL EQUIPMENT MANUFACTURER (OEM) AND PROPRIETARY COMPONENT MANUFACTURER SPECIFICATIONS FOR TRUCKS & BUSES



Details correct: September 2018

	INDUSTRY STANDARDS			OEM STANDARDS						PROPRIETARY COMPONENT MANUFACTURER STANDARDS				
	ACEA*	API*	OTHER	CATERPILLAR*	GM DEXRON	MAN	MERCEDES-BENZ	RENAULT TRUCKS	VOLVO	OTHER	ALLISON	ZF	VOITH	OTHER
<b>ENGINE OILS</b>														
DELO 400 XLE HD SAE 5W-30	E6; E9; E4; E7	CJ-4; CI-4 Plus; CI-4; CH-4; CG-4; CF-4 <sup>^</sup> ; CF <sup>^</sup>		ECF-3		M3271-1; M3477; M3575; M3677	MB-Approval 228.51/228.31	RLD-3; RLD-2 <sup>^</sup> ; RGD <sup>^</sup> ; RXD <sup>^</sup> ; RLD <sup>^</sup> ; RD-2 <sup>^</sup> ; RD <sup>^</sup>	VDS-4; VDS-3 <sup>^</sup> ; VDS-2 <sup>^</sup>	Cummins CES 20081 DAF Extended Drain (Euro IV, V in MX engines and VI in all engines) <sup>^</sup> Detroit Diesel DDC93K218 Deutz DQC IV-10 LA <sup>^</sup> Iveco Euro VI engines <sup>^</sup> Mack EO-0 Premium Plus; EO-N <sup>^</sup> MTU Oil Category 3.1; Oil Category 2.1 <sup>^</sup> Scania LDF-4 <sup>^</sup> ; Low Ash				
DELO 400 XLE SAE 10W-30	E6; E9	CK-4; CJ-4; CI-4; CI-4 Plus; CH-4; CG-4 <sup>^</sup> ; CF-4 <sup>^</sup> ; CF <sup>^</sup> ; SN	JASO DH-2*	ECF-3		M3575*	MB-Approval 228.51/228.31	RLD-4; RLD-3 <sup>^</sup> ; RLD-2 <sup>^</sup> ; RXD <sup>^</sup> ; RLD <sup>^</sup> ; RD-2 <sup>^</sup> ; RD <sup>^</sup>	VDS-4.5; VDS-4 <sup>^</sup> ; VDS-3 <sup>^</sup> ; VDS-2 <sup>^</sup>	Cummins CES 20086 Detroit Diesel DFS 93K222 DAF Extended Drain (Euro VI engines) <sup>^</sup> Deutz DQC III-10 LA Mack EO5-4.5 MTU Oil Category 2.1 <sup>^</sup>		TE-ML 03K		
DELO 400 XLE HD SAE 10W-40	E4; E6; E7; E9	CJ-4; CI-4 Plus; CI-4; CH-4; CG-4 <sup>^</sup> ; CF-4 <sup>^</sup> ; CF <sup>^</sup>	JASO DH-2*	ECF-3		M3477; M3575; M3271-1	MB-Approval 228.51/228.31	RLD-3; RLD-2 <sup>^</sup> ; RGD <sup>^</sup> ; RXD <sup>^</sup> ; RLD <sup>^</sup> ; RD-2 <sup>^</sup> ; RD <sup>^</sup>	VDS-4; VDS-3 <sup>^</sup> ; VDS-2 <sup>^</sup>	Cummins CES 20081 DAF Extended Drain (Euro III, IV, V and VI engines) <sup>^</sup> Detroit Diesel 93K218 <sup>^</sup> Deutz DQC-IV-10 LA Iveco Euro V & VI <sup>^</sup> MTU Oil Category 3.1; Oil Category 2.1 <sup>^</sup> Mack EO-0 Premium Plus Scania Low Ash			Retarder B	
DELO 400 RDS SAE 10W-40	E6; E7; E9	CI-4; CH-4; CG-4 <sup>^</sup> ; CF-4 <sup>^</sup> ; CF <sup>^</sup>	JASO DH-2*			M3477; M3271-1	MB-Approval 228.51	RLD-2; RXD <sup>^</sup> ; RGD <sup>^</sup> ; RLD <sup>^</sup> ; RD-2 <sup>^</sup> ; RD <sup>^</sup>	VDS-3; VDS-2 <sup>^</sup>	Cummins CES 20076; CES 20077* DAF Extended Drain (Euro III, IV, V and VI engines) <sup>^</sup> Deutz DQC-IV-10 LA Mack EO-N MTU Oil Category 3.1				
DELO GOLD ULTRA S SAE 10W-40	E4; E7	CF				M3277	MB-Approval 228.5	RLD-2; RD <sup>^</sup> ; RD-2 <sup>^</sup> ; RXD <sup>^</sup> ; RLD <sup>^</sup>	VDS-3; VDS-2 <sup>^</sup>	Deutz DQC III-10* DAF Extended Drain (Euro III and IV engines) <sup>^</sup> Mack EO-N Scania LDF-2; LDF-3				
DELO 400 MGX SAE 15W-40	E9; E7	CJ-4; CI-4 Plus; CI-4; CH-4; CG-4 <sup>^</sup> ; CF-4 <sup>^</sup> ; CF <sup>^</sup> ; SM	JASO DH-2*	ECF-2; ECF-3; 3600 series engines <sup>^</sup>		M3575	MB-Approval 228.31	RLD-3; RLD-2 <sup>^</sup> ; RLD <sup>^</sup> ; RD-2 <sup>^</sup> ; RD <sup>^</sup>	VDS-4; VDS-3 <sup>^</sup> ; VDS-2 <sup>^</sup>	Cummins CES 20071*; CES 20072*; CES 20077*; CES 20081 DAF Standard Drain (Euro 0 up to Euro VI engines) <sup>^</sup> Detroit Diesel DDC93K218 Deutz DQC III-10 LA Ford WSS-M2C171-E <sup>^</sup> Mack EO-0 Premium Plus; EO-N <sup>^</sup> MTU Oil Category 2.1		TE-ML 04C		
DELO GOLD ULTRA E SAE 10W-40	E7; A3/B4	CI-4; CH-4; CG-4 <sup>^</sup> ; CF-4 <sup>^</sup> ; CF <sup>^</sup>	JASO DH-1* Global DHD-1*			M3275-1*	MB-Approval 228.3; MB-Approval 229.1 <sup>~</sup>	RLD-2; RD <sup>^</sup> ; RD-2 <sup>^</sup> ; RLD <sup>^</sup>	VDS-3; VDS-2 <sup>^</sup>	Cummins CES 20071*; CES 20072*; CES 20076*; CES 20077*; CES 20078 DAF (Euro II and III engines) <sup>^</sup> Detroit Diesel DDC 93K215 Deutz DQC III-10 Mack EO-N MTU Oil Category 2	C4*			
DELO GOLD ULTRA E SAE 15W-40	E7; A3/B4	CI-4; CH-4; CG-4 <sup>^</sup> ; CF-4 <sup>^</sup> ; CF <sup>^</sup> ; CE <sup>^</sup> ; CD <sup>^</sup>	JASO DH-1* Global DHD-1*	ECF-2		M3275-1	MB-Approval 228.3; MB-Approval 229.1 <sup>~</sup>	RLD-2; RLD <sup>^</sup> ; RD-2 <sup>^</sup> ; RD <sup>^</sup>	VDS-3; VDS-2 <sup>^</sup>	Cummins CES 20076*; CES 20077*; CES 20078; CES 20071*; CES 20072 <sup>^</sup> DAF (Euro II and III engines) <sup>^</sup> Detroit Diesel DDC93K215 Deutz DQC III-10 Iveco Euro IV and V engines <sup>^</sup> Mack EO-N MTU Oil Category 2	C4*; TES 439 <sup>^</sup>			
DELO GOLD ULTRA T SAE 10W-40	E4; E7	CI-4; CH-4; CG-4 <sup>^</sup> ; CF-4 <sup>^</sup> ; CF <sup>^</sup>	Global DHD-1 <sup>^</sup>			M3277	MB-Approval 228.5; MB 235.27*	RLD-2; RLD <sup>^</sup> ; RD-2 <sup>^</sup> ; RD <sup>^</sup>	VDS-3; VDS-2 <sup>^</sup>	Cummins CES 20071*; CES 20072*; CES 20077*; CES 20078 DAF Extended Drain (Euro III and IV engines) <sup>^</sup> Detroit Diesel 93K215 <sup>^</sup> Deutz DQC III-10 Mack EO-M Plus <sup>^</sup> ; EO-N MTU Oil Category 3 Scania LDF-2			Retarder A	
<b>GEAR OILS</b>														
DELO SYN-GEAR XS SAE 75W-140		GL-5; MT-1	SAE J2360* US Military MIL-PRF-2105E*							Ford WSL-M2C192-A* Mack GO-J* Meritor 076-M* Scania STO 1:0; STO 2:0A		TE-ML 05A; TE-ML 05B; TE-ML 07A <sup>^</sup> ; TE-ML 12B <sup>^</sup> ; TE-ML 12N; TE-ML 16F; TE-ML 19C; TE-ML 21A; TE-ML 21B		
<b>TRANSMISSION FLUIDS</b>														
DELO SYN-AMT XV SAE 75W-80		GL-4				341 Type E4; 341 Type Z4 <sup>^</sup>	MB 235.4 <sup>^</sup> /235.41 <sup>^</sup> / 235.11 <sup>^</sup>		Transmission Oil 97305; 97307; 97318	DAF Gearbox oil for Eaton gearboxes* Eaton Synthetic (500,000 km/3 years)		TE-ML 02L <sup>^</sup>	Retarder Oil Class C	
DELO SYN-MTF XZ SAE 75W-80		GL-4				341 Type E3 <sup>^</sup> ; 341 Type Z4			Transmission Oil 97305-80*	DAF Gearbox oil for Eaton gearboxes <sup>^</sup> ; Gearbox oil for ZF gearboxes Eaton (Europe) Semi-synthetic (300,000 km/3 years) <sup>^</sup>		TE-ML 01L; TE-ML 02L; TE-ML 16K		
DELO SYN ATF HD					IIIH <sup>^</sup>	339 Type V2; 339 Type Z2; 339 Type Z11; 339 Type L1	MB-Approval 236.9		Transmission Oil 97341	Ford Mercon V <sup>^</sup>	C-4 <sup>^</sup> ; TES-295 <sup>^</sup> ; TES-389 <sup>^</sup>	TE-ML 03D; TE-ML 04D; TE-ML 14B; TE-ML 14C <sup>^</sup> ; TE-ML 16L; TE-ML 16R; TE-ML 17C; TE-ML 20B; TE-ML 21L <sup>^</sup>	H55.6336.xx	Bosch TE-ML 09 <sup>^</sup>

Continued overleaf

<sup>^</sup> Chevron Recommended – in Chevron’s opinion the product is suitable for use in applications where a product of this specification is required. <sup>~</sup> Obsolete specification.

\* Performance – product is either (i) not currently formally approved or certified by the OEM or Industry Standard Organisation; (ii) self-certified; or (iii) was formally approved against an OEM specification which is now obsolete. However, in Chevron’s opinion the product is recommended and suitable for use in applications where a product of this specification is required.

# INDUSTRY STANDARD, ORIGINAL EQUIPMENT MANUFACTURER (OEM) AND PROPRIETARY COMPONENT MANUFACTURER SPECIFICATIONS FOR TRUCKS & BUSES

	INDUSTRY STANDARDS			OEM STANDARDS							PROPRIETARY COMPONENT MANUFACTURER STANDARDS			
	ACEA*	API*	OTHER	CATERPILLAR*	GM DEXRON	MAN	MERCEDES-BENZ	RENAULT TRUCKS	VOLVO	OTHER	ALLISON	ZF	VOITH	OTHER
<b>TOTAL DRIVELINE LUBRICANTS</b>														
DELO SYN-TDL SAE 75W-90		GL-4; GL-5; MT-1	SAE J2360 NATO 0-226*			341 Type E3*; 341 Type Z2; 342 Type S1; 3343 Type S*	MB-Approval 235.8		Transmission Oil 97312	DAF Gearbox oil for ZF gearboxes; Gearbox oil for Eaton gearboxes*; Rear axle without hub reduction*; Rear axle with hub reduction* Scania STO 1:0		TE-ML 02B; TE-ML 05A*; TE-ML 05B; TE-ML 07A*; TE-ML 12B*; TE-ML 12L; TE-ML 12N; TE-ML 16F; TE-ML 17B; TE-ML 19C; TE-ML 21A*; TE-ML 21B		Bosch TE-ML 08*
DELO GEAR TDL SAE 80W-90, 80W-140		GL-4; GL-5; MT-1	SAE J2360 [80W-90*, 80W-140*]			341 Type Z2 [80W-90]; 342 Type M2 [80W-90]; 3343 Type M [80W-90*]; 341 Type E2 [80W-90*]	MB 235.0 [80W-90*]		Transmission Oil 97321	DAF Gearbox oil for ZF gearboxes [80W-90]; Gearbox oil for Eaton gearboxes [80W-90*]; Rear axle with hub reduction [80W-90*]; Rear axle without hub reduction [80W-90*]; Driven front axle [80W-140*]; Front axle hubs [80W-140*] Scania STO 1:0		TE-ML 02B [80W-90]; TE-ML 05A [80W-90, 80W-140*]; TE-ML 07A*; TE-ML 12E [80W-90*]; TE-ML 12L [80W-90]; TE-ML 12M [80W-90]; TE-ML 16B [80W-90]; TE-ML 16D [80W-140*]; TE-ML 17B [80W-90]; TE-ML 17H [80W-90]; TE-ML 19B [80W-90]; TE-ML 21A [80W-90, 80W-140*]		Bosch TE-ML 08*
<b>GREASES</b>														
DELO STARPLEX EP 2			DIN 51 502: KP 2 N-30* ISO 6743-09: ISO-L-XCDHB 2* NLGI Service Category GC-LB*				MB 265.1*		Lubricating Grease 97720*	Mack GC-G*				
TEXCLAD 2			DIN 51 502: MPF 2C-10*; KPF 2C-10* ISO 6743-09: ISO-L-XAAIB 2*											
MULTIFAK 264 EP 00/000			DIN 51 502: GP 00/000 K-50* ISO 6743-09: ISO-L-XEBEB 00/000*			283 Li-P00	Liefervorschrift DBL 6833.00; Blue Book spec 264							Firma Willy Vogel Central lubrication Tecalemit Central lubrication Lincoln Central lubrication
MOLYTEX EP 2			DIN 51 502: KPF 2 K-30* ISO 6743-09: ISO-L-XCCEB2* Association of American Railroads Specification M-929-75						Lubricating Grease 97765					
<b>ANTIFREEZE/COOLANTS</b>														
DELO XLC ANTIFREEZE/ COOLANT CONCENTRATE & PREMIXED 50/50			ASTM D6210*			324 Type SNF*	MB-Approval 325.3 [Concentrate]		Volvo Construction Equipment [VCE] Diesel Engines*; Volvo Truck Diesel Engines*	Chrysler Vehicles post 2001^ Cummins CES 14439 DAF 74002 Detroit Diesel DFS 93K217 Deutz DQC CB-14; Stationary Diesel Engines^ Ford Vehicles post 2003*; WSS-M97B44-D* GE Jenbacher Stationary Natural Gas Engines^ GM Opel Vauxhall Vehicles post 1995^ Hino Truck Diesel Engines^ Isuzu Truck Diesel Engines^ Kobelco Construction Equipment Diesel Engines^ Komatsu Construction Equipment Diesel Engines^ Mack Truck Diesel Engines^ MTU 2000/4000 Diesel Engines; MTL 5048* Navistar™ MAXXFORCE Engines^ Scania Truck Diesel Engines^ TMC RP 364 Type 1* Wärtsilä Stationary Diesel Engines^ European HD OEMs that require both phosphate-free and nitrite-free formulations^ Japanese HD OEMs that require silicate-free formulations^				
DELO XLI CORROSION INHIBITOR CONCENTRATE						D36 5600*; 248*				MWM TR0199-99-2091/12				MTU MTL 5049* MaK*

For the latest information on our products, please refer to the Product Data Sheet (PDS) which can be found at [cglapps.chevron.com/msdspds/HomePage.aspx](http://cglapps.chevron.com/msdspds/HomePage.aspx)

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