

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



Details correct: March 2019

	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
ENGINE OILS														
DELO 400 XSP-FA SAE 5W-30		FA-4; SN					MB 228.61 (approval pending)							Cummins CES 20087 (approval pending) Detroit Diesel 93K223 (approval pending) Ford WSS-M2C214-B1*
DELO 400 XLE HD SAE 5W-30	E6; E9; E4; E7	CJ-4; CI-4 Plus; CI-4; CH-4; CG-4*; CF-4*; CF^				M3271-1; M3477; M3575; M3677	MB-Approval 228.51/228.31	RLD-3; RLD-2*; RGD*; RXD*; RLD*; RD-2*; RD^	VDS-4; VDS-3*; VDS-2^					Cummins CES 20081 DAF Extended Drain (Euro IV, V in MX engines and VI in all engines)^ Detroit Diesel DDC93K218 Deutz DQC IV-10 LA* Iveco Euro VI engines^ Mack EO-O Premium Plus; EO-N* MTU Oil Category 3.1; Oil Category 2.1* Scania LDF-4; Low Ash*
DELO 400 XLE SAE 10W-30	E6; E9	CK-4; CJ-4; CI-4; CI-4 Plus; CH-4; CG-4*; CF-4*; CF^; SN	JASO DH-2*			M3575*	MB-Approval 228.51/228.31	RLD-4; RLD-3*; RLD-2*; RXD*; RLD*; RD-2*; RD^	VDS-4.5; VDS-4*; VDS-3*; VDS-2^			TE-ML 03K		Cummins CES 20086 Detroit Diesel DFS 93K222 DAF Extended Drain (Euro VI engines)^ Deutz DQC III-10 LA Mack EOS-4.5 MTU Oil Category 2.1*
DELO 400 XLE HD SAE 10W-40	E4; E6; E7; E9	CJ-4; CI-4 Plus; CI-4; CH-4; CG-4*; CF-4*; CF^	JASO DH-2*			M3477; M3575; M3271-1	MB-Approval 228.51/228.31	RLD-3; RLD-2*; RGD*; RXD*; RLD*; RD-2*; RD^	VDS-4; VDS-3*; VDS-2^				Retarder B	Cummins CES 20081 DAF Extended Drain (Euro III, IV, V and VI engines)^ Detroit Diesel 93K218* Deutz DQC-IV-10 LA Iveco Euro V & VI^ MTU Oil Category 3.1; Oil Category 2.1* Mack EO-O Premium Plus Scania Low Ash
DELO 400 LE SYNTHETIC SAE 5W-40	E7; E9	CJ-4; CI-4 Plus; CI-4; CH-4; SN; SM; SL				M3575*	MB-Approval 228.31	RLD-3*	VDS-4*					Cummins CES 20081* Detroit Diesel 93K215* Mack EO-O Premium Plus* MTU Oil Category 2.1*
DELO 400 SP SAE 5W-30	E9; E6; E7	CI-4; CH-4; CG-4*; CF-4*; CF^	JASO DH-2*			M3271-1; M3477	MB-Approval 228.51	RLD-2; RGD*; RXD*; RD*; RD-2*; RLD^	VDS-3; VDS-2^					Cummins CES 20077 DAF Extended Drain (Euro III, IV, V and VI engines)^ Deutz DQC III-10 LA* Iveco Euro VI engines^ Mack EO-N MTU Oil Category 3.1*
DELO 400 RDE SAE 10W-30	E6; E9; E7	CI-4; CH-4; CG-4*; CF-4*; CF^	JASO DH-2*			M3477; M3271-1	MB-Approval 228.51	RLD-2; RXD*; RGD*; RD*; RD-2*; RLD^	VDS-3; VDS-2^					Cummins CES 20076; CES 20077* DAF Extended Drain (Euro III, IV, V and VI engines)^ Deutz DQC-IV-10 LA Mack EO-N MTU Oil Category 3.1
DELO 400 RDS SAE 10W-40	E6; E7; E9	CI-4; CH-4; CG-4*; CF-4*; CF^	JASO DH-2*			M3477; M3271-1	MB-Approval 228.51	RLD-2; RXD*; RGD*; RLD*; RD-2*; RD^	VDS-3; VDS-2^					Cummins CES 20076; CES 20077* DAF Extended Drain (Euro III, IV, V and VI engines)^ 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*; RD-2*; RXD*; RLD^	VDS-3; VDS-2^					Deutz DQC III-10* DAF Extended Drain (Euro III and IV engines)^ 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*; CF-4*; CF^; SM	JASO DH-2*			M3575	MB-Approval 228.31	RLD-3; RLD-2*; RLD*; RD-2*; RD^	VDS-4; VDS-3*; VDS-2^			TE-ML 04C		Cummins CES 20071*; CES 20072*; CES 20077*; CES 20081 DAF Standard Drain (Euro 0 up to Euro VI engines)^ Detroit Diesel DDC93K218 Deutz DQC III-10 LA Ford WSS-M2C171-E^ Mack EO-O Premium Plus; EO-N* MTU Oil Category 2.1
DELO GOLD ULTRA E SAE 10W-40	E7; A3/B4	CI-4; CH-4; CG-4*; CF-4*; CF^	JASO DH-1* Global DHD-1*			M3275-1*	MB-Approval 228.3; MB-Approval 229.1^	RLD-2; RD*; RD-2*; RLD^	VDS-3; VDS-2^					Cummins CES 20071*; CES 20072*; CES 20076*; CES 20077*; CES 20078 DAF (Euro II and III engines)^ Detroit Diesel DDC 93K215 Deutz DQC III-10 Mack EO-N MTU Oil Category 2
DELO GOLD ULTRA E SAE 15W-40	E7; A3/B4	CI-4; CH-4; CG-4*; CF-4*; CF^; CE^; CD^	JASO DH-1* Global DHD-1*			M3275-1	MB-Approval 228.3; MB-Approval 229.1^	RLD-2; RLD*; RD-2*; RD^	VDS-3; VDS-2^					Cummins CES 20076*; CES 20077*; CES 20078; CES 20071*; CES 20072^ DAF (Euro II and III engines)^ Detroit Diesel DDC93K215 Deutz DQC III-10 Iveco Euro IV and V engines^ Mack EO-N MTU Oil Category 2
DELO GOLD ULTRA T SAE 10W-40	E4; E7	CI-4; CH-4; CG-4*; CF-4*; CF^	Global DHD-1^			M3277	MB-Approval 228.5; MB 235.27*	RLD-2; RLD*; RD-2*; RD^	VDS-3; VDS-2^				Retarder A	Cummins CES 20071*; CES 20072*; CES 20077*; CES 20078 DAF Extended Drain (Euro III and IV engines)^ Detroit Diesel 93K215^ Deutz DQC III-10 Mack EO-M Plus*; EO-N MTU Oil Category 3 Scania LDF-2
GEAR OILS														
DELO SYN-GEAR HD SAE 75W-90		GL-5; MT-1	SAE J2360			342 Type M2	MB 235.8^	Axles^	Transmission Oil 97312					Iveco Axles^ DAF Rear axle without hub reduction; Rear axle with hub reduction Dana Spicer SHAES 256 Revision A^ Mack GO-J* Meritor 076-N Extended Drain* Scania STO 1:0
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
DELO GEAR CGA SAE 80W-90		GL-5; MT-1	SAE J2360*			342 Type M3; 341 Type GA1*	MB-Approval 235.20		Transmission Oil 97321					Scania STO 1:0
TRANSMISSION FLUIDS														
DELO SYN-AMT XV SAE 75W-80		GL-4				341 Type E4; 341 Type Z4^	MB 235.4*/235.41*/235.11^		Transmission Oil 97305; 97307; 97318					DAF Gearbox oil for Eaton gearboxes* Eaton Synthetic (500,000 km/3 years)
DELO SYN-MTF XZ SAE 75W-80		GL-4				341 Type E3*; 341 Type Z4			Transmission Oil 97305-80; 97307					DAF Gearbox oil for Eaton gearboxes*; Gearbox oil for ZF gearboxes Eaton (Europe) Semi-synthetic (450,000 km/3 years)^
DELO SYN-AMT XDT SAE 75W-90		GL-4				341 Type MB	MB-Approval 235.11							Bosch TE-ML 08^
DELO SYN ATF HD						IIIH^	MB-Approval 236.9		Transmission Oil 97341					Ford Mercon V^
ATF HD 389						TO-2^	IIIH^	MB 236.5^						Ford M2C138-CJ^; M2C166-H^; Mercon^ Toyota Type T^

Continued overleaf

^ Chevron Recommended - in Chevron's opinion the product is suitable for use in applications where a product of this specification is required. ~ 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	
TOTAL DRIVELINE LUBRICANTS															
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* Detroit Diesel DFS 93K219.1 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*, 80W-140*]; 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*	
GREASES															
HYTEX EP 2 LF			DIN 51 502: KP 2 P-20* ISO 6743-09: ISO-L-XBDEB2*			284: high temperature grease Li-H2	MB-Approval 265.1		Lubricating Grease 97718; 97720					SKF	
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*					
DELO GREASE MM EP 2			ASTM D 4950 LB (Chassis Lubrication)* DIN 51 502: KP2K-30* ISO 12924: ISO-L-XC(F)CIB2*			283 Li-P	MB 267.0		Lubricating Grease 97718	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						
ANTIFREEZE/COOLANTS															
DELO XLC ANTIFREEZE/COOLANT CONCENTRATE, PREMIXED 50/50 & PREMIXED 40/60			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 and 4000-02/4000-03 series*; MTL 5048 MWM TR-2091 GR.2 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

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