



Fuel and Lubricant Specifications

This replaces all previously published Fuel and Lubricant Specifications.

PRODUCT	USED IN	SPECIFICATIONS	TEMPERATURE	FACTORY FILLED
ENGINE	Cummins Diesels*	API Classification CH-4, CH-4/SJ, CI-4, CJ-4, CK-4		Chevron Delo 400 XLE Multi-grade Heavy Duty Motor Oil SAE 15W 40
	Volvo Diesel	API Classification CI-4, CH-4, CF, SL		
	All Diesel Engines	SAE 5W 30	-20° F to 68° F	
		SAE 10W 30	-5° F to 68° F	
		SAE 15W 40	+5° F to 115° F	
Gas & LP Engines	API Classification CG-4, CH-4/SJ, CI-4 SAE 5W 30	Below 60° F		
DIESEL FUEL	All Diesel Engines (Tier 3, Tier 4i, Tier 4F)	ASTM Spec D-975 No. 1 or No. 2, Ultra Low Sulfur Diesel Sulfur Maximum: 15 PPM Centane Minimums: 40 - above 32° F 45 - below 32° F	All Temperatures	Chevron Diesel No. 2 With Temp. Suppressor Added November Thru March
ANTI-FREEZE	Cooling System	Maintain 50 - 50% Soft Water** Ethylene Glycol (Low Silicate Antifreeze) GM 6038-M or ASTM D3306 & D6210	Protection to -34° F	Chevron Delo XLC Coolant / Antifreeze Phosphate Free
RUST INHIBITOR	Cooling System	Any Reputable Manufacturer Non-Chromate Only	All Temperatures	Included in Antifreeze
TRANS-MISSION	Automatic Transmission	C-4 Type Fluid with Friction Control Modifiers. <i>NOTE: Chevron 1000 Tractor Hydraulic Fluid and Mobil 424 have proven to be most effective in controlling wet disc brake noise.</i>	All Temperatures	Chevron 1000 Tractor Hydraulic Fluid
HYDRAULIC FLUID	Hydraulic System			
WET DISC BRAKE COOLING	Wet Disc Brakes			
GEAR OIL	Differentials Planetary Hubs Gear Boxes			
GEAR OIL	Differentials Planetary Hubs Gear Boxes	Extreme Pressure Gear Oil (GL-5 or MIL-2105D) SAE 85W 140	10° F Minimum	Chevron Delo Gear Lubricant ESI 80W 90
		SAE 80W 90	-15° F Minimum & Any Higher Temperatures	
BRAKE FLUID	Wet Disc Brake Actuator	C-4 Type Fluid with Friction Control Modifiers. See Hydraulic Fluid Above.	All Temperatures	Chevron 1000 Tractor Hydraulic Fluid
WHEEL BEARINGS AND SEALED CHAIN ROLLERS	All Timken® Bearings Which Use Grease	Chevron Ulti-Plex*** EP Grease or Equivalent	Grade 1 below 0° F Grade 2 above 0° F	Chevron Ulti-Plex EP Grease
GREASE FITTINGS	All Other Grease Fittings	Chevron Ultra Duty*** EP2 Grease or Equivalent	Grade 1 below 0° F Grade 2 above 0° F	Chevron Ultra Duty EP2 Grease
LEAF CHAINS		Chevron Aries 150 Lubricant	All Temperatures	Chevron Aries 150 Lubricant

* Always refer to Cummins Operation and Maintenance Manuals for each engine family for oil specification and drain interval information. Severe engine damage may result if specific oil and drain interval recommendations are not followed.

** Soft Water - Cannot contain more than 300 parts per million hardness or 100 parts per million of either chloride or sulfide. (See engine manual.)

*** Grease recommendations are based on commercial products which have given satisfactory service. Users must be assured of similar performance with products represented to be equivalent.