



## 76 Guardol™ QLT™ Multigrades

76 Guardol™ QLT™ Multigrades are premium quality universal fleet engine oils that meet the performance requirements of a wide range of U.S. and European diesel and gasoline engine manufacturers. They are designed for use in over-the-road diesel trucks, off-highway diesel equipment, farm machinery, and passenger cars and light trucks in all types of service. They are formulated with premium additive technology and 76's unique QLT™ chemistry that delivers exceptional wear protection, soot control, and bearing corrosion protection in both conventional and EGR-equipped diesel engines.

76 Guardol™ QLT™ Multigrades meet or exceed all the requirements of API CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF and SL. They also meet the performance requirements for Caterpillar ECF-1, Cummins CES 20078, Mack EO-M Plus and Volvo VDS. The SAE 15W-40 grade meets additional North American and worldwide performance requirements, including Global DHD-1, Mercedes-Benz Sheet 228.3, Volvo VDS-3 and Mack EO-N Premium Plus (2003). These oils will provide excellent protection in EGR-equipped diesel engines and extended drain capabilities in conventional, non-EGR diesel engines.

### Applications

- Mixed fleets combining large over-the-road diesel trucks with smaller diesel and gasoline-fueled light trucks and passenger cars
- Off-highway equipment used for construction, earth moving, mining or quarry operations – in engines, transmissions and hydraulic systems
- Mobile, marine and stationary diesel engines (except those with silver bearings) in severe service or using high-sulfur, non-EPA diesel fuel
- Farm equipment with diesel or gasoline engines
- Light trucks and passenger cars with diesel or gasoline engines
- Automatic and powershift transmissions specifying an Allison C-4 type fluid (SAE 15W-40)

SAE 10W-30 RECOMMENDED FOR: SAE 15W-40 RECOMMENDED FOR:

API Service CI-4, CH-4, CG-4, CF-4, CF, SL

U.S. Government CID A-A-52039B  
Caterpillar ECF-1  
Caterpillar TO-2  
Cummins CES 20076, 20071  
Mack EO-M Plus, EO-M  
Volvo VDS

API Service CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF, SL, SJ  
ACEA E5  
Allison C-4  
Caterpillar ECF-1  
Cummins CES 20078, 20077, 20076  
Detroit Diesel 7SE270 (4-stroke cycle engines)  
Global DHD-1  
International (Navistar) diesel engines  
Mack EO-N Premium Plus (2003)  
MAN 271, 3275  
Mercedes-Benz Sheet 228.3  
MIL-L-2104E, MIL-L-46152E (obsolete)  
MTU MTL 5044, Type 2  
U.S. Government CID A-A-52306  
Volvo VDS-3, VDS-2

Premium Universal  
Fleet Engine Oil

Customer Service  
Number:

1-888-766-7676

Technical  
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### **Outstanding Features**

- Exceptional wear protection and high-temperature oil durability
- Outstanding low-temperature pumpability
- High dispersancy-detergency protects against engine sludge and varnish deposits
- Outstanding oxidation resistance
- Excellent rust and bearing corrosion protection
- Exceptional soot control for protection against abrasive wear and soot-induced oil thickening
- Outstanding TBN retention
- Good resistance to foaming and aeration
- Backed by a Product Quality Limited Warranty

### **76 Guardol™ QLT™ Multigrades**

#### **Typical Properties**

<b>SAE Grade</b>	<b>10W-30</b>	<b>15W-40</b>
API Service (diesel engines)	CI-4, CH-4, CG-4, CF-4, CF	CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF
API Service (gasoline engines)	SL	SL, SJ
Density, g/cm <sup>3</sup> @ 15°C	0.876	0.879
Color, ASTM	L 4.0	L 4.0
Flash Point, COC, °C (°F)	222 (430)	229 (445)
Pour Point, °C (°F)	-36 (-33)	-30 (-22)
Viscosity,		
cSt @ 40°C	77.3	116
cSt @ 100°C	11.5	15.2
SUS @ 100°F	397	598
SUS @ 210°F	64.6	80.4
Viscosity Index	142	139
Viscosity, Cold Cranking (CCS), cP @ °C	6,660 (-25)	6,600 (-20)
Viscosity, High Shear (HTHS), cP @ 150°C	3.5	4.3
Ash, Sulfated, ASTM D874, wt %	1.49	1.49
Copper Corrosion, ASTM D130	1A	1A
Foam Test, ASTM D892	Pass	Pass
Total Base Number, ASTM D2896	12.0	12.0
Zinc, wt %	0.130	0.130

Due to continual product research and development, the information contained herein is subject to change without notification.

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