

**DESCRIPTION**

Top Dog XDO Plus 15W-40 is a heavy duty multi-grade engine oil that meets some of the latest and highest engine oil performance specifications. The combination of premium quality base stocks and the latest technology performance additives results in an engine oil of supreme capabilities. Top Dog XDO Plus 15W-40 provides excellent soot control and high levels of wear protection under full load and high speed operations. Top Dog XDO Plus 15W-40 has been formulated to meet the needs of diesel engines operating on low-sulphur fuel, as well as those older engines running on high-sulphur diesel where higher soot handling capability is required. Top Dog XDO Plus 15W-40 is recommended for high performance diesel and gasoline engines, naturally aspirated or turbo-charged where either API CI-4 Plus, CI-4, CH-4, CG-4, CF, SL or earlier performance standards are called for. Top Dog XDO Plus 15W-40 is suitable for many on and off-highway applications including construction, forestry, mining, marine and for stationary engines including those used for power generation. The high TBN reserve and exceptional soot handling of Top Dog XDO Plus 15W-40 makes it suitable for use with both low or high sulphur fuels and in engines operating high levels of EGR.

**SUMMARY OF BENEFITS**

- Premium performance and protection in all conditions
- Superior soot and wear control
- Robust reserve alkalinity (TBN) and high performing dispersant chemistry for outstanding acid neutralization and sludge control
- Enhanced frictional properties result in improved fuel economy and extended engine life.
- Excellent, stay-in-grade performance ensure viscosity integrity and reduced oil consumption across the drain interval
- Superior oxidation and thermal stability for extended oil drain intervals

**SPECIFICATIONS**

- SAE 15W-40
- API CI-4 PLUS, CI-4, CH-4, CG-4/SL
- ACEA E7 (ACEA A3/B4 DEMONSTRATION)
- CATERPILLAR ECF-2
- CUMMINS CES 20077/20072
- DETROIT DIESEL 93K215
- MAN 3275
- MACK EO-M PLUS
- MB 228.3
- MTU TYPE 1
- VOLVO VDS-3

TOP DOG XDO PLUS	TEST METHOD	UNITS	RESULTS
DENSITY @ 15°C	ASTM D1298	kg/L	0.888
KINEMATIC VISCOSITY @ 40°C	ASTM D445	cSt	110.3
@ 100°C	ASTM D445	cSt	14.9
VISCOSITY INDEX	ASTM D2270	-	140
APPARENT VISCOSITY @ -20°C	ASTM D5293	cP	6500
COLOUR	ASTM D1500	-	4.0
POUR POINT	ASTM D97	°C	-42
FLASH POINT (COC)	ASTM D92	°C	230
TOTAL BASE NUMBER	ASTM D2896	mgKOH/g	11.8

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute any legal liability.*

**STORAGE INSTRUCTIONS & HEALTH, SAFETY AND ENVIRONMENT INFORMATION**

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C. Health, safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Gulf Western Oil on: 02 9673 9600.

**AVAILABLE PACK SIZES**

#300355

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