



# TOP DOG XDO 15W-40

## PREMIUM DIESEL ENGINE OIL

### DESCRIPTION

Top Dog® XDO is a premium diesel engine oil meeting the latest in lubrication technology. It holds global approval from Mack Trucks USA and Volvo Sweden. It is recognised as being an official factory fill lubricant.

Top Dog® XDO is ideally suited for mixed fleets including American European and Japanese diesel engines. Top Dog® XDO can be used in stationary engines, heavy duty earth moving and road transport applications as well as light commercial diesel applications and Allison C4 transmissions. It can also be used in late model petrol engines both stationary and in mixed vehicle fleets.

### SUMMARY OF BENEFITS

- Suitable for turbo charged and naturally aspirated diesel engines
- Extended drain intervals for more up time
- Reduced oil consumption
- Greatly reduced engine wear giving extended engine life
- Formulated for engines fitted with Exhaust Gas Recirculation (EGR) systems
- Superior sludge and soot control for a cleaner engine
- Certified as Mack Trucks USA EO-N lubricant
- Registered against Cummins CES 20078
- Very good low temperature viscometrics for reduced wear at start up

### SPECIFICATIONS

Top Dog XDO meets the following international performance specifications:

- SAE Viscosity 15W-40
- API CI-4 plus, CH-4/SL
- ACEA E7-12
- CES 20078, 20077, 20076
- MTU Type 1, Type 2, MTU 4000
- Caterpillar ECF-2 / ECF1A
- ZF TE-ML-02C/03A+/04B/04C/07C
- MAN 271, 3275
- Mack EO-N Premium Plus
- Mercedes-Benz sheet 228.3, 229.1
- MTU Type 1
- Volvo VDS, VDS-2, VDS-3
- Allison C4
- Caterpillar T0-2
- MIL-L-2104E/G, MIL -L-46512E
- Global DHD-1 / JASO DH-1
- Detroit Diesel 93K215

**GULF WESTERN PREMIUM QUALITY LUBRICATING OILS (AUST) PTY LTD**

**Head Office:** 92-96 Links Road, St Marys NSW 2760 - PO BOX 515 Kingswood, NSW 2747

**Phone:** 02 9673 9600 - **Fax:** 02 9623 6466 - **Email:** sales@gulfwestern.com.au - **Web:** www.gulfwestern.com.au

**ACN:** 087 558 398



**GULF WESTERN OIL**  
THE TOUGH AUSTRALIAN

## PRODUCT DATA SHEET

# TOP DOG XDO 15W-40

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### STORAGE

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 ENVIRONMENT

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.

### TYPICAL CHARACTERISTICS

TOP DOG XDO	Test Method	Units	Results
Density @ 15°C	ASTM D1298	kg/L	0.8686
Kinematic Viscosity @ 40°C	ASTM D445	cSt	110
@ 100°C	ASTM D445	cSt	15.7
Viscosity Index	ASTM D2270	-	140
Apparent Viscosity @ -20°C	ASTM D5293	cP	6250
Pour Point	ASTM D97	°C	-21
Flash Point (COC)	ASTM D92	°C	246
Total Base Number	ASTM D2896	mgKOH/g	8.0
Sulphated Ash	ASTM D874	% mass	1.0

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

### AVAILABLE PACK SIZES

IBC - 30012B, 205lt - 30012, 20lt - 32012, 10lt - 31012, 6lt - 30612, 5lt - 30512, 1lt - 30112

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