

## TOP DOG® XDO 15W-40

### DESCRIPTION

Top Dog XDO is a premium mineral oil based diesel engine oil meeting the latest in lubrication technology. It holds global approval from Mack Trucks, Renault, Volvo, Cummins and Detroit Diesel and is recognised as being suitable for initial factory fill or service fill lubricant. Top Dog® XDO is ideally suited for mixed fleets including American European and Japanese naturally aspirated or turbo charged 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 such as 4WD, SUV and Utility Vehicles 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 turbocharged and naturally aspirated diesel engines
- Extended drain intervals for more uptime and 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
- Very good low-temperature viscometric for reduced wear at start-up
- Not recommended for engines fitted with diesel particulate filters

### SUITABLE FOR



### SPECIFICATIONS

- SAE 15W-40
- API CI-4, CH-4/SL
- ACEA E7
- CES 20078, 20077, 20076
- MTU TYPE 1, TYPE 2, MTU 4000
- CATERPILLAR ECF-2 / ECF1A
- ZF TE-ML-02C/03A+/04B/04C/07C • MAN 3275
- MACK EO-N PREMIUM PLUS
- MERCEDES-BENZ SHEET 228.3, 229.1 • MTU TYPE 1
- VOLVO VDS-3, VDS-2
- ALLISON C4
- CATERPILLAR TO-2
- MIL-L-2104G
- GLOBAL DHD-1 / JASO DH-1
- DETROIT DIESEL 93K215

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	10.5
SULPHATED ASH	ASTM D874	% mass	1.4

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

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

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