

TOP DOG® INDESTRUCTIBLE 15W-40

NEXT GENERATION DIESEL ENGINE OIL FORMULATED USING INDESTRUCTIBLE ADDITIVE TECHNOLOGY

DESCRIPTION

TOP DOG® Indestructible 15W-40 is an uncompromising, next generation Heavy Duty Diesel Engine Oil containing Indestructible additive technology specifically designed to protect high powered, turbo charged Heavy Duty Diesel Engines. The unique formulation contains performance enhancing and superior wear protection technology that far exceeds the requirements of the new API CK-4 lubricant specification and previous specifications including API CJ-4.

TOP DOG® Indestructible 15W-40 meets the majority of modern engine manufacturer's specifications. It has been designed to significantly exceed the requirements of API CK-4, which is the latest Heavy Duty Diesel Engine Oil classification released in December 2016 by the American Petroleum Institute. Having a low SAPS level, TOP DOG® Indestructible 15W-40 is suitable for Heavy Duty Diesel Engines fitted with EGR (exhaust gas recirculation) systems and other exhaust after-treatment systems including Diesel Particulate Filters (DPF's) and Selective Catalytic Reduction (SCR)/Adblue.

Being backwards compatible with previous API Heavy Duty Diesel classifications such as API CJ-4, CI-4 and CH-4, TOP DOG® Indestructible 15W-40 meets the requirements of most modern and older style heavy duty diesel engines from the world's leading engine manufacturers. TOP DOG® Indestructible 15W-40 can be used in stationary engines, earthmoving and road transport applications as well as light commercial diesel vehicles requiring a 15W-40 heavy duty diesel engine oil.

SUMMARY OF BENEFITS

- Increased fuel economy through reduced friction
- Extended drain intervals compared to earlier generation API grades
- Vastly improved oxidation control
- Suitable for EGR (exhaust gas recirculation) or SCR (selective catalytic reduction) emission control system
- Low SAPS formulation offering suitability for Diesel Particulate Filters
- Better dispersancy compared to conventional API CK-4 and CJ-4 specifications resulting in cleaner engines that offer increased service life
- Improved shear stability resulting in decreased oil consumption

SPECIFICATIONS

TOP DOG® Indestructible meets the following performance specifications:

- SAE 15W-40
- API CK-4/ CJ-4/ CI-4 Plus/ CI-4/ CH-4
- CAT ECF-3
- Ford WSS-M2C171-F1
- Cummins CES 20086
- Detroit Diesel DFS93K222
- Mack EOS-4.5
- Volvo VDS 4.5
- Renault VI RLD-4
- MB 228.31
- MAN 3575
- Deutz DQC III-10 LA
- JASO DH-2

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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

INDESTRUCTIBLE 15W-40	Test Method	Units	Results
Density @ 15°C	ASTM D1298	kg/L	0.875
Kinematic Viscosity @ 40°C	ASTM D445	cSt	120
@ 100°C	ASTM D445	cSt	15.5
Viscosity Index	ASTM D2270	-	141
Apparent Viscosity at -20°C	ASTM D5293	cP	5000
Pour Point	ASTM D97	°C	-30
Flash Point (COC)	ASTM D92	°C	210
Total Base Number	ASTM D2896	mgKOH/g	10.2
Sulphated Ash	ASTM D874	% mass	<1.00

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 - 300021B, 205lt - 300021, 20lt - 320021

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