



Vanellus DD 40

Detroit Diesel 2-stroke engine oil

Product Data

Description and applications

Low sulphated ash SAE 40 diesel engine oil specifically designed for use in Detroit Diesel 2-stroke engines – naturally aspirated or turbocharged. **Vanellus DD 40** is recommended for general use in Detroit 2-stroke engines at ambient temperatures above 0°C.

It is also suitable for a large variety of 4-stroke diesel engines and it can be used in 4-stroke petrol engines where this grade is appropriate. Also suitable for a range of automotive transmissions that recommend SAE 40 grade engine oils.

Benefits

- Specifically formulated to maximise engine service life.
- Low ash formulation to minimise exhaust valve deposit formation.
- Maintains good reserve alkalinity for protection from corrosive wear.
- Rigorous testing and certification system assures lubricant meets all claimed performance levels.
- Excellent control of foaming and corrosion.

Specifications

Vanellus DD 40 meets the requirements of the following oil service categories and specifications:

- API CF, CF-2, CD, SF
- Detroit Diesel 7SE2709505
- US MIL-I-46152B, MIL-L-2104D, UK Def 2101D, Australian Standard Def (Aust) 204



Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health & Safety Recommendations

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet which can be obtained by contacting the BP Lubricants and Fuels Technical Helpline on 1300 139 700. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products. BP Australia will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office or the BP Lubricants and Fuels Technical Helpline 1300 139 700.

Typical characteristics

Test	Method	Unit	Typical Value
Density @ 15°C,	ASTM D1298	kg/L	0.889
Kinematic Viscosity @ 40°C	ASTM D445	cSt	148
Kinematic Viscosity @ 100°C	ASTM D445	cSt	15.0
Viscosity Index	ASTM D2270	-	101
Pour Point	ASTM D97	°C	-15
Flash Point (PMC)	ASTM D93	°C	223
Foaming Test	ASTM D874		
Seq I		mL/mL	0/0
Seq II		mL/mL	10/0
Seq III		mL/mL	0/0
Total Base Number	ASTM D2896	mgKOH/g	7.1
Sulphated Ash	ASTM D874	% mass	0.8
Phosphorus		% mass	0.094

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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