Product Data

Description and applications

Low sulphated ash SAE 50 diesel engine oil specifically designed for use in Detroit Diesel 2-stroke engines – naturally aspirated or turbocharged. **Vanellus DD 50** has been formulated making use of magnesium-based chemistry as preferred by Detroit Diesel.

Vanellus DD 50 is recommended for use in 149 engines above ambient temperatures of 35°C. It is also suitable for use in all Detroit 2-stroke engines in continuous high temperature operation (over 94°C coolant out). **Vanellus DD 50** should not be used in ambient temperatures below 10°C.

Suitable for a range of automotive truck transmission applications. Recommended for Eaton Fuller Roadranger transmissions.

Benefits

- Specifically formulated to maximise engine service life.

- Low ash formulation to minimize exhaust valve deposit formation.

- Maintains good reserve alkalinity for protection from corrosive wear.

- Latest rigorous testing and certification system assures lubricant meets all claimed performance levels.

- Excellent control of foaming and corrosion.

Specifications

Vanellus DD 50 meets the requirements of the following oil service categories and specifications:

- API CF, CF-2, CD, SF

- Detroit Diesel 7SE270

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	0.897
Flash Point (PMC)	ASTM D93	^{o}C	222
Kinematic Viscosity @ 40°C	ASTM D445	cSt	228
Kinematic Viscosity @ 100°C	ASTM D445	cSt	20.0
Viscosity Index	ASTM D2270	-	104
Pour Point	ASTM D97	^{o}C	-12
Foaming Test	ASTM D874		
Seq I		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

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