



Vanellus C3 Mono

Diesel Engine Oils

Product Data

Description

The range of **Vanellus C3 Mono** oils are premium performance diesel engine oils.

They are formulated using high quality base oils and an advanced additive system to provide very high levels of engine protection under severe operating conditions. They are intended primarily for use in turbo-charged and naturally aspirated diesel engines, but can be used in some four stroke petrol engines where monograde oils are recommended.

(**Vanellus C3 Mono 30** is the prime recommendation for Briggs and Stratton engines).

They also meet the transmission oil requirements for a range of off-highway torque converter transmissions as well as a range of truck transmissions.

The **Vanellus C3 Mono** range consists of the following monograde viscosities: SAE 10W, 30, 40 and 50.

Benefits

- High levels of engine cleanliness and wear protection.
- Excellent high temperature stability and resistance to oxidation minimises deposit formation.
- Provides a high level of protection against low temperature sludge formation.
- Wide range of viscosities available.
- Suits the requirements of most automotive and industrial diesel engines that specify monograde oils operating on low sulphur diesel fuel.
- Important role as transmission oils in certain mobile plant torque converter powershift units and differentials.
- Assured performance from a rigorous testing and certification system.

Specifications

Vanellus C3 Mono oils exceed the following major specifications and performance standards:

- API CF, CD
- API SF
- US MIL-L-2104 C, D and E
- Allison C4 type performance

Note: Allison Transmission no longer recommend Allison C4 fluids for on-highway applications.



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

	Method	Units	Vanellus C3 Mono			
			10W	30	40	50
Density @15°C	ASTM D1298	kg/L	0.881	0.895	0.899	0.903
Flash Point (PMC)	ASTM D93	°C	212	224	226	234
Kinematic Viscosity						
@40°C	ASTM D445	cSt	37	103	148	208
@100°C	ASTM D445	cSt	6.2	11.8	15.0	19.0
Viscosity Index	ASTM D2270	-	117	103	101	102
Pour Point	ASTM D97	°C	- 27	- 15	- 6	- 6
Total Base Number	ASTM 2896	mgKOH/g	7.1	7.1	7.1	7.1
Sulphated Ash	ASTM D874	% mass	0.91	0.91	0.91	0.91
Phosphorus		% mass	0.09	0.09	0.09	0.09

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

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