



Canopus®

Efficient performance industrial circulating system oil

Product Data Sheet

Product description

Canopus is an efficient performance highly refined paraffinic mineral oil suitable for use in industrial circulating systems, quenching applications and general purpose lubrication. Canopus offers lubrication service where a straight mineral oil is required.

Customer benefits

- Highly refined straight base oil offers good filtration performance with a wide range of commercial filters and Fuller's earth systems
- Water separation characteristics help prevent sludge formation at low temperatures where condensation is present
- Low carbon residue offers keep-clean air compressor performance with minimum deposit formation
- Natural oxidation stability promotes resistance to oil degradation and thickening, offering longer oil service life

Applications

- General purpose industrial lubrication, particularly in 'once-through' lubrication systems
- Industrial circulating systems, particularly those incorporating clay filters to remove high levels of contamination
- Light duty gear cases
- Plain and rolling element bearings
- Engine air cleaners
- Machine tools
- Process or extender oils in the rubber and plastics industries
- Air compressors, as appropriate (not recommended for use in breathing air compressors)
- Vacuum pumps
- Heat transfer fluid, where uninhibited oils are recommended
- Heat treatment applications involving quenching or rapid cooling of carbon and alloy steels; processes where a uniform hardening of steel with minimum distortion and coloration is desired. Slow quenching operations at bath temperatures between 30 and 65°C where maximum hardness is not required.

Product features:

- Offers good performance with commercial/Fuller's earth filters
- Helps prevent sludge in low temperature condensation conditions
- Promotes keep-clean air compressor performance
- High thermal stability minimizes oil cracking and the formation of deposits on metal surfaces, limiting the need for post-quenching cleaning and stain removal operations.

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Typical key properties

CANOPUS®				
Product Number		540057	540058	540059
Characteristic	TEST METHOD	VG46	VG68	VG100
Viscosity, Kinematic				
@ 40°C mm ² /s	ASTM D445	46	64.9	95.5
@ 100°C mm ² /s	ASTM D445	6.5	8.4	10.8
Viscosity Index	ASTM D2270	95	98	96
Flash Point, COC, °C	ASTM D0092	>204	230	246
Pour Point, °C (°F)	ASTM D0097	-6	-9	-9

Minor variations in product typical test data are to be expected in normal manufacturing.

2112

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Typical key properties continued

CANOPUS®			
Product Number		540060	540061
Characteristic	TEST METHOD	VG150	VG220
Viscosity, Kinematic			
@ 40°C mm ² /s	ASTM D445	143	210
@ 100°C mm ² /s	ASTM D445	14.2	18.3
Viscosity Index	ASTM D2270	96	96
Flash Point, COC, °C	ASTM D0092	250	250
Pour Point, °C (°F)	ASTM D0097	-9	-9

Minor variations in product typical test data are to be expected in normal manufacturing.

2112

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit www.caltex.com.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:
Chevron Global Lubricants
 – Asia Pacific

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