



DC-C 460

Compounded Steam Cylinder Oils

Description

DC-C 460 is a high quality dark steam-cylinder oil which has minimal carbon-forming tendencies under prolonged exposure to high temperature.

It contains a fatty additive to improve metal-wetting properties and emulsibility in the presence of saturated steam or water.

Applications

DC-C 460 is recommended for use in the lubrication of cylinders and valves in mobile and stationary non-condensing steam engines.

This product is suitable for saturated steam at pressures up to 1000 kPa and temperatures to 255° C.

Note: Where water-free condensate is required it is recommended to use the appropriate DC non-compounded oil grade.

Because the fatty compounding agent dramatically increases the tenacity of the lubricating film, DC-C 460 is often suitable for use in highly loaded industrial gearboxes (usually worm drives utilising a steel worm and bronze gear). Often compounded oils are the only grades specified for use in these gearboxes.

DC-C 460 also can be used in certain metal drawing applications, as well as heavily loaded bearings in wet conditions.

Main Benefits

- Long service life
- Tenaciously adheres to metal surfaces
- Does not deteriorate gear box components, including yellow metals

- Good inherent resistance to oxidation
- Protects gears from rust in wet environments
- Good film strength
- Excellent emulsibility

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 the BP Lubricants and Fuels Technical Helpline on 1300 139 700. BP Australia, or its subsidiaries

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 Lubricants and Fuels Technical Helpline.

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Typical Characteristics

Grade:	DC-C 460			
Mnemonic:	DCC460			
Product Code:	220231			
	Test Method	Units		
Appearance	Visual		undyed	
Density @ 15°C	ASTM D1298	kg/L	0.904	
Flash Point (PMC)	ASTM D93	°C	288	
Flash Point (COC)	ASTM D92	°C	304	
Fire Point (COC)	ASTM D92	°C	332	
Pour Point	ASTM D97	°C	-9	
Kinematic Viscosity				
@ 40°C	ASTM D445	cSt	460	
@ 100°C	ASTM D445	cSt	31.0	
Viscosity Index	ASTM 2270	-	98	

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

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