

Engen Gear Compound Series

Bitumen Based Open Gear Lubricants for Locomotives

Description

The Engen Gear Compound Series is a range bitumen based gear lubricants developed for use in the gearboxes of locomotives. The properties of the residual base oils used in the manufacture of these products ensures that a tough, durable lubricating film is maintained on the gears to provide a high load carrying capacity. Engen Gear Compound coats gears and surfaces with a tenacious film that will prevent rusting of metal parts exposed to the elements.

Application

The Engen Gear Compounds have been designed to provide a high level of oxidation stability even at temperatures as high as 150°C. It is recommended however that operating temperatures are kept below 100°C in order to optimise lubricant life.

- Engen Gear Compound Two is designed for use in the highly loaded gearboxes of locomotives as used in the transportation of general cargo and in passenger train locomotives.
- Engen Gear Compound Five is the “hardest” of the Engen Gear Compound range and is intended for use in the more heavily loaded locomotives gearboxes.

Typical Physical Characteristics

Property	Test Method	Units	Typical Results	
			Two	Five
Engen Gear Compound				
Viscosity @ 100 °C	ASTM D 445	cSt	395	1015
Unworked Penetration	ASTM D 217	mm-1	274	202
Colour	QC 030	Visual	Black	Black
Drop Point	IP 396	°C	47	55
Flash Point (COC)	ASTM D 92	°C	>250	>250
Pour Point	ASTM D 97	°C	0	14
Texture			Smooth	Smooth

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Due to continual product research and development, the information contained herein is subject to change without notification. Refer to the Material Safety Data Sheet (MSDS) for information on the safe handling and use of this product.

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