



## Kiln Car Grease

### PRODUCT DESCRIPTION

Bel-Ray® Kiln Car Grease, commonly known as Bel-Ray 5016 Grease 1, is a synthetic, high temperature kiln car lubricating grease containing high performance graphite capable of lubrication up to 538°C (1000°F). The thickened synthetic fluid carries a high purity, high performance graphite to the bearing surface. When applied at temperatures above 149°C to 163°C (300°F to 325°F), the fluid evaporates and leaves a high-grade graphite to lubricate the bearing surface. Since the quantity of graphite in Kiln Car Grease is relatively high, lubrication with a minimum of product is recommended to prevent the excessive accumulation of solids.

### PRODUCT FEATURES

- Inorganic thickener
- Non-residue carrier fluid
- High performance graphite

### BENEFITS

- No “gum” at high temperature
- Minimum solids accumulation
- Lubrication up to 538°C (1000°F)

### APPLICATIONS

- Oven conveyor bearings
- Kiln car wheel bearings

### PRODUCT DATA

Typical Properties		
Property	Test Method	NLGI Grade 1
Thickener Type		Inorganic
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	330
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	32
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	5.4
Dropping Point, °C (°F)	ASTM D2265	>260 (>500)
Lubricating Solids Type		Graphite
Color		Black

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# TECHNICAL DATA SHEET



## HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at [www.belray.com](http://www.belray.com)

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