



OPUS LUBRICANTS PRODUCT DATA

HAMMER GREASE

Description

A specially developed grease using a semi-synthetic blend of base oils manufactured with a bentone thickener containing a high level of graphite and synergistic EP-additives and antioxidants designed to extend lubrication periods. It is designed particularly for hydraulic hammer lubrication, pin and bush type of applications on large earth moving and general off-road heavy plant machinery.

Hammer Grease is enhanced by the addition of lubricating solids, and the adhesive properties of the grease helps resist waterwash off.

Features & Benefits

- High degree of water resistance
- Excellent load carrying capability and shock load resistance
- Good temperature operating range
- Good sealing properties in dusty conditions
- Inherent adhesive nature

Method of application

Always follow the equipment manufacturer's recommendations and instructions prior to use. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary, clean or purge components prior to application. As a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the equipment manufacturer.

Storage

Products should always be stored in the original packaging in a clean indoor area. Ideally, the storage temperature should be between 0°C to 25°C. Products should be stored away from any sources of heat including direct sunlight. The recommended shelf life for grease is 2 years.



Typical Data

Properties	Unit	Method	Specification	Typical
Appearance	-	-	Adhesive Grease	
Colour	-	-	Grey to Black	
NLGI Grade	-	-	2	
Thickener	-	-	Bentone	
Base Oil	-	-	Mineral / Polymer	
Base Oil Viscosity @ 40°C	cSt	ASTM D445	1500	
Worked Penetration	dmm	ASTM D217	265-295	276
Dropping Point	°C	ASTM D2265	≥ 280	> 280
Four Ball Weld Load, 10s	kgf	IP 239	≥ 500	700
Four Ball Wear Scar, 40kg 1 hour	mm	IP 239	-	0.66
Extended Worked Penetration 100,000 strokes	dmm	ASTM D217	-	+34
Roll Stability – 2 hours @ 35°C	dmm	ASTM D1831	-	+14
Oil Separation 42 hours @ 40°C 168 hours @ 40°C	% %	IP 121	- -	0.1 0.3
Copper Corrosion 24 hours @ 100°C	-	ASTM D4048	-	1b
Corrosion	-	ASTM D1743	-	Pass
Water Spray-Off	%	ASTM D4049	-	21
Oxidation Stability Time to 10% Loss @ 160°C	min	ASTM D8206	-	152
FFK Flow Pressure, - 20°C	hPa	DIN 51805-2	-	975
Solids	%	-	15%	
Operating Temperature	-	-	-20°C to +150°C	

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