



Boom Grease

High performance lithium complex grease with PTFE solids

Product Code: Z111

Product Description:

Boom Grease is a high-performance premium quality grease manufactured using a mineral base oil and lithium complex thickener. Boom Grease uses the latest extreme pressure (EP), anti-wear, anti-oxidation and corrosion inhibiting additives including PTFE which are designed to reduce wear, improve grease performance and extend component life in dry dusty, wet and shock loaded conditions. Boom Grease has been designed for the lubrication of mechanical parts, in a wide range of industry applications especially guide tracks and sliding surfaces as seen on overhead gantry's, telehandlers and crane jibs fitted with wear pads. Boom Grease contains PTFE to reduce stiction and increase lubricity, reduce drag and power consumption. Boom Grease can be used on applications experienced in many industries such as agricultural, automotive, construction, commercial, forestry, industrial and marine applications.

Benefits:

- Outstanding resistance to water washout
- Excellent load bearing properties and anti-wear performance reduce wear experienced by heavy shock loads
- Excellent oxidation stability provides lasting lubrication at higher temperatures
- Excellent mechanical stability extends re-lubrication and prolongs component life
- The sealing properties of PTFE reduces the damage caused by the ingress of dirt

Application:

Boom grease is recommended for use on telescopic and sliding boom apparatus, found on telehandlers / teleporters, portable cranes, and other materials handling equipment. Boom grease can be applied by hand, or by using a standard grease gun.

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.



TECHNICAL DATA SHEET

Typical Test Data:

Properties	Unit	Method	Specification	Typical
Appearance	-	-	Smooth Grease	
Colour	-	-	Light Brown	
NLGI Grade	-	-	2/3	
Thickener	-	-	Lithium Complex	
Base Oil	-	-	Mineral Oil	
Base Oil Viscosity @ 40°C	cSt	ASTM D445	150	
Worked Penetration	dmm	ASTM D217	240 - 270	265
Dropping Point	°C	ASTM D2265	≥ 260	> 260
Four Ball Weld Load, 10s	kgf	IP 239	≥ 355	450
Four Ball Wear Scar, 40kg 1 hour	mm	IP 239	-	0.61
Extended Worked Penetration 100,000 strokes	dmm	ASTM D217	-	+54
Roll Stability – 2 hours @ 35°C	dmm	ASTM D1831	-	+24
Oil Separation 42 hours @ 40°C	%	IP 121	-	0.6
168 hours @ 40°C	%		-	1.5
Copper Corrosion 24 hours @ 100°C	-	ASTM D4048	-	1a
Corrosion (EMCOR) Distilled Water	-	ASTM D6138	-	0,0
Corrosion	-	ASTM D1743	-	Pass
Water Washout 1 hour @ 79°C	%	ASTM D1264	-	5.8
FFK Flow Pressure, - 30°C	hPa	DIN 51805-2	-	925
Solids	%	-	1% PTFE	
Operating Temperature	-	-	-30°C to +150°C	