



Lithium Complex HV2 LS Grease

Heavy duty bearing grease

Product code: Z104

Product Description:

Lithium Complex HV2 LS is a heavy-duty grease for lubricating anti-friction and plain bearings operating under high load and/or high temperature conditions found in industries such as steel works, quarries, animal feed pelletisers, heavy plant machinery, dockside, offshore, etc. The extreme pressure, anti-wear, anti-oxidant and corrosion inhibiting additives give this product exceptional performance. Providing extended lubrication intervals, especially under arduous conditions and at elevated operating temperatures, this highly adhesive grease also provides excellent sealing properties against ingress of moisture, dirt and dust, resulting in extended component life.

Benefits:

- Exceptional mechanical stability extends relubrication intervals
- Excellent oxidation stability provides lasting lubrication at high temperatures
- Excellent EP and anti-wear performance

Method of Application:

Lithium Complex HV2 LS can be applied manually or by using a grease gun (400gm cartridges available), or via a central lubricating system designed for and capable of pumping an NLGI No.2 grease; consult a qualified centralised lubrication systems engineer before installation.

As with all greases used for the first time, check compatibility with the grease applied previously and if necessary purge bearings prior to application. Likewise, as a general rule, take care not to over-lubricate and apply the quantity of grease recommended by the bearing manufacturer.



TECHNICAL DATA SHEET

Typical Test Data:

Property	Unit	ASTM Method	IP Method	Typical Result
Appearance	-	-	-	Smooth Tacky Grease
Colour	-	-	-	Blue
NLGI Grade	-	-	-	2
Worked Penetration	dmm	D217	IP 50	277
Thickener	-	-	-	Lithium Complex
Base Oil	-	-	-	Mineral Oil
ISO 6743-9 Classification	-	-	-	ISO-L-XBDHB 2
DIN 51 825 Classification	-	-	-	KP 2 N -20
Operating Temperature Range	°C	-	-	-20 to 150
Base Oil Viscosity @40°C	cSt	D445	IP 71	320
Dropping Point	°C	D2265	-	>280
Oil Separation 42 hours @ 40°C 168 hours @ 40°C	% %	-	IP 121	0.7 1.4
Copper Corrosion 24 hours @ 100°C 1 hour @ 120°C	- -	D44048	IP 112	1a 1a
Water Washout 1 hour @ 38°C 1 hour @ 79°C	% %	D1264	IP 215	1.1 2.0
Four Ball Wear Scar	mm	-	IP 239	0.6
Four Ball Weld Load	Kgf	-	IP 239	>=500
Oxidation Stability Time to 10% Loss @ 150°C	min	-	-	165
Roll Stability – 2 hours @ 35°C	dmm	D1831	-	39
Extended Worked Penetration 10,000 strokes 100,000 strokes	dmm dmm	D217	IP 50	12 35