

DURALIFE® HEAVY DUTY EXTREME PRESSURE LITHIUM GREASES HLG

DURALIFE® HEAVY DUTY EXTREME PRESSURE LITHIUM GREASES HLG Products are manufactured from high quality mineral oils with Lithium thickener, extreme pressure (EP) rust and corrosion inhibitors. These products have good stability, water resistance and softening resistance at high operating temperatures. They were developed to meet the need for a truly heavy duty, highly adhesive, water resistant grease having very high load carrying capabilities.

APPLICATIONS :

DURALIFE® HEAVY DUTY EXTREME PRESSURE LITHIUM GREASES HLG Products are recommended for use in severe service commercial and industrial applications where high load carrying characteristics , adhesive properties and water resistance are need such as the lubrication of plain and antifriction bearings, and grease lubricated couplings in all types of industrial plants operating under severe load conditions and all types of automotive equipment , trucks, tractors , contractor equipment ,concrete mixing equipment , mining equipment ,pulp and paper machines ,rock quarries, marine deck equipment , marine deck cranes, offshore drilling equipment operating in water or dusty conditions.

BENEFITS:

- Protect bearings against wear under severe conditions of shock loading.
- Resist water washing and rusting ,corrosion and rust protection.
- Excellent extreme pressure properties.
- Easy to apply due to good pump-ability.
- Lower starting torque.
- Long operational life at high temperature.

TYPICAL CHARACTERISTICS :

Product Specifications	Typical Results					
	HLG 000	HLG 00	HLG 0	HLG 1	HLG 2	HLG 3
NLGI Grade	000	00	0	1	2	3
Thickener type	Lithium					
Texture	Smooth / Buttery					
Dropping point , °C (°F) , ASTM D 2265	N/A	>170(338)	>180(356)	>190(374)	>200(392)	>200(392)
Penetration @25 °C(77°F) , Worked (60 Strokes) ,0.1mm , ASTM D 217	445 - 475	400 - 430	355 - 385	310 - 340	265 - 295	220 - 250
Timken OK Load, lbs , ASTM D 2509	40	40	40	40	40	40
4-Ball Wear ,mm , 1hr ,75 °C , 1200 rpm,40Kgf , ASTM D 2266	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6
4- Ball EP , Weld point ,Kgf , ASTM D 2596	250					
Oil Separation ,wt%, ASTM D 1742	< 5	< 5	< 5	< 5	< 5	< 5
Oxidation Stability @210 °F , psi Drop 100 hrs Max , ASTM D 942	5	5	5	5	5	5
Operating Temperature Ranges :						
Minimum , °C (°F)	-25(-13)	-25(-13)	-25(-13)	-25(-13)	-25(-13)	-25(-13)
Maximum Continuous Service, °C (°F)	140(284)	140(284)	140(284)	140(284)	140(284)	140(284)
Water Washout @ 175°F ,%wt loss , ASTM D 1264	< 5	< 5	< 5	< 5	< 5	< 5

The above characteristics are average values based on recent production .Minor variations which do not affect product performance are to be expected in normal manufacture .

WARNING!

Contains petroleum distillates. Contact with skin or eyes can cause irritation. Avoid prolonged contact. Wash thoroughly after handling. Avoid breathing vapors. If irritation, headache or nausea occurs, remove to fresh air. Get medical attention if symptoms persists. If swallowed, do not induce vomiting. Consult physician immediately. Keep away from children. Do not store above 120°F. Keep away from heat or flame.

Reference **SDS Number 12042** database on our website at www.amtecol.com OR scan the code for a direct link

