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TEKAMAN LUBRICATION TECHNOLOGY

Technical Date Sheet

LH Anhydrous Calcium Based Grease

Product Introduction

This is an anhydrous calcium based water-resistant grease, formulated with refined mineral white oil as base oil, thickened by saponification of 12-hydroxystearic acid, stearic acid and calcium hydroxide.

Examples of Application

- Suitable for muddy working parts of agricultural machinery, tractors and harvesters; water pumps and water supply & drainage equipment; outdoor exposed ordinary bearings; conveyor frames, low-speed slideways, hinge pin shafts and ordinary fans; as well as general machinery under medium-low load and medium-low speed with humid, dusty and water splashing conditions.
- Operating temperature: -10℃ ~ 85℃

Features and benefits

- Excellent water resistance: resistant to emulsification and water washout, maintaining good stability in humid conditions;
- Good adhesion, resisting oil thrown-off and loss under low-speed operation;
- Non-corrosive to steel, iron and copper materials, with reliable rust and corrosion protection;
- Adopts low-aromatic base oil with good stability, not easy to deteriorate and form gum under conventional working conditions;
- Cost-effective, suitable for general industrial, agricultural and outdoor equipment general lubrication.

NLGI GRADE	1#	2#	3#	TESTING STANDARDS
Appearance	Yellow	Yellow	Yellow	Visual
Worked Penetration, 0.1mm	325	280	230	ASTM D217
Dropping Point, ℃	112	126	145	ASTM D2265
Kinematic Viscosity @40℃, mm²/s	105.8	105.8	105.8	ASTM D445
Oil Separation (Mesh), %	3.2	2.7	2.3	ASTM D6184
Water Washout Loss, %	2.7	3.4	3.1	ASTM D1264
Copper Corrosion (100℃, 24h)	1b Class	1b Class	1b Class	ASTM D4048

* This product is anhydrous calcium based grease. Do not mix with other types of grease such as lithium based, polyurea and complex calcium grease, to avoid damaging grease structural performance。
Clean residual old grease, moisture and impurities before refilling to ensure lubrication points are clean.