TECHNICAL DATA SHEET

PYTHON

DESCRIPTION

PYTHON is an extra high performance, high temperature grease intended for a large variety of heavy-duty applications. It is based on a blend of high viscosity index mineral oils, a lithium complex soap thickener, specially selected lead-free extreme pressure additives, rust and oxidation inhibitors plus a tackiness agent.

CHARACTERISTICS

Excellent anti-wear and EP performance that is important for reducing wear rates and achieving a high load-carrying capability even under conditions of high sliding and moderate shock loading, thus extending the equipment life.

The superior resistance to water wash-out assures correct lubrication even in the presence of large amounts of water.

It has excellent adhesion and cohesion properties in order to reduce leakages and extend re-lubrication intervals.

The effective rust inhibitors ensure components/bearings do not fail due to corrosion.

The superior oxidation and thermal stability extends the grease life and enhances bearing protection in high temperature applications.

It has fair pumpability and low-high temperature performance.

The recommended temperature range is from -25°C to 175°C, however it may be used intermittently up to 200°C with the lubrication frequency to be increased accordingly.

RECOMMENDATIONS

PYTHON is the prime recommendation for use in applications where high thermal resistance is required. These include automotive, industrial, mining, earthmoving and marine applications such as slow moving, heavy duty bearings operating at high temperature and under severe load, wheel bearings subjected to high temperatures and load caused by repeated and high-speed braking in particular on disc brakes, chassis and other applications where a lithium complex grease with higher base oil viscosity is required and/or preferred.

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Typical Characteristics	Methods	Typical Values
NLGI		2
Soap Type		Lithium Complex
Appearance		Blue & Tacky
Penetration at 25°C, Uncorked Worked at 60 strokes Worked 10,000 strokes, Change %	 ASTM D 217 ASTM D 217 ASTM D 217	 270 275 +10
Dropping Point, °C	ASTM D 2265	260 +
Roll Stability, Penetration Change %	ASTM D 1831	+10
Leakage, Wheel Bearing 65g Packed, 163°C, g	ASTM D 1263	1.5
Water washout at 80°C, % Loss	ASTM D 1264	3.5
Oil Separation 24 Hours at 25°C, kPa	ASTM D 1742	2
Pressure Drop, at 100 hours, kpa At 500 hours, kPa	ASTM D 942 ASTM D 942	15 70
Lubrication Life, Bearing No. 204 10,000 rpm, 163°C, hours	ASTM D 336	125
Rust Prevention Rating	ASTM D 1743	Pass
Timken, OK Load, Kg	ASTM D 2509	30
4-Ball Weld, Kg/f	ASTM D 2596	450
4-Ball Wear Scar, mm	ASTM D 2266	0.48
Mineral Oil Viscosity, cSt at 40°C	ASTM D 445	320

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