Alithex EP Grease

Multipurpose Extreme Pressure Grease

Product Description:

Veedol Alithex EP Grease is a range of superior quality multipurpose extreme pressure greases formulated to provide extra protection against wear, rusting and water wash out.

These lithium soap greases manufactured using highly refined base oil, rust and oxidation inhibitors, are suitable for moderate to high load application. Veedol Alithex EP range of multipurpose extreme pressure grease are suitable for use in many industrial grease applications.

Veedol Alithex EP 0, 00 and 000 are suitable for lubrication of enclosed gears, chain cases and bearings of poorly sealed gear cases where conventional gear oils cannot be retained.

Features/Benefits:

- Excellent oxidation stability helps reduce base oil degradation, promoting long service life.
- High extreme pressure capacity protects moving parts from excessive load, helps lower maintenance cost.
- Very good water wash-out resistance helps stay-in-place performance of grease in wet operating conditions.
- Excellent rust and anti-wear properties ensure component protection in wet and hostile conditions.

Application:

- Alithex EP 3, 2 and 1 are recommended for various industries.
- Suitable for moderate to heavy duty applications.
- Lubrication of general machinery antifriction, roller, plain and needle bearings, bushing and pins working under normal operating conditions.
- Construction and mining equipment.
- Alithex EP 0 and 1 are suitable for centralized lubrication systems for lubricating plain and rolling bearings.
- Alithex EP 0, 00 and 000 can be used for lubrication of gear cases, chains etc. where softer greases are required.
- Operating temperature range -20°C to +130°C

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Typical Properties:

Properties	Test method	Alithex EP 3	Alithex EP 2	Alithex EP 1
NLGI Grade		NLGI 3	NLGI 2	NLGI 1
Soap / Thickener type		Lithium	Lithium	Lithium
Color	Visual	Amber to dark brown	Amber to dark brown	Amber to dark brown
Worked Penetration @ 25°C, 60 double strokes	ASTM D217	235	280	322
Penetration after 100,000 strokes	ASTM D217	251	300	340
Drop point, °C	ASTM D2265	198	198	187
Copper Corrosion, 100°C for 24hrs	ASTM D4048	1a	1a	1a
Four Ball Weld Load, kg	ASTM D2596	250	250	250
Four Ball Wear Scar, mm	ASTM D2266	0.49	0.49	0.49
Timken OK Load, kg	ASTM D2509	20	20	20
Water Wash-out @ 80°C, % mass	ASTM D1264	4.0	4.0	7.0
Leakage tendency, by mass, g	ASTM D1263	1.6	1.9	2.5
Base oil viscosity at 40°C, cSt	ASTM D445	160	160	160

Properties	Test method	Alithex EP 0	Alithex EP 00	Alithex EP 000
NLGI Grade		NLGI 0	NLGI 00	NLGI 000
Soap / Thickener type		Lithium	Lithium	Lithium
Color	Visual	Amber to light brown	Amber to light brown	Amber to light brown
Worked Penetration @ 25°C, 60 double strokes	ASTM D217	376	425	460
Drop point, °C	ASTM D2265	165	NA	NA
Copper Corrosion, 100°C for 24hrs	ASTM D4048	1a	1a	1a
Four Ball Weld Load, kg	ASTM D2596	250	250	250
Timken OK Load, kg	ASTM D2509	20	20	20
Base oil viscosity at 40°C, cSt	ASTM D445	160	155	155

The above typical properties are those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

STORAGE
All packages should be stored under cover. It should not be exposed to direct sunlight, intense cold and extreme temperature fluctuations. Where outside storage is unavoidable, drums should be laid horizontally or properly covered to avoid the possible ingress of water and damage to drum markings.

HEALTH, SAFETY AND ENVIRONMENT
The informtion on this product is available in the Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information, we recommend you review the MSDS. If handled correctly, there are no special precautions suggested.

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