

AF-300

High temperature industrial E.P. grease

Description

The AF-300 is a superior quality extreme pressure high temperature grease with ANTIFRICTION TREATMENT which outperforms lithium, aluminum and polyurea base standard greases of the same of viscosity.

Characteristics and Benefits

The AF-300 unique formulation includes such elements as:

- Overbased calcium sulfonate complex;
- Superior quality mineral base oil;
- PROLAB's ANTIFRICTION TREATMENT.

Its exclusive PROLAB formula brings the AF-300 extreme pressure high temperature grease to an exceptional level of performance: it is super adherent and reduces friction, protects against rust, corrosion and oxidation, provides exceptional load resistance as well an excellent mechanical stability and moisture, vapour and washout resistance.

The exceptional properties of the AF-300 extreme pressure high temperature grease bring notable benefits from regular use including less frequent lubricating jobs and substantial savings on maintenance costs. Available in NLGI grade 2.

Types of Application

The AF-300 is a must for every type of business, no matter what the size or the nature of the operations. It performs best in the lubrication of joints and pins as well as in difficult conditions such as heavy loads, slow rotational speeds (less than 1000 rpm) and very high temperatures, up to 260°C, (for example, cubage, excavation, steelworks, etc.)

Directions for Use

Always use AF-300 extreme pressure high temperature grease in reference to the equipment manufacturer's manual.

Warning

Whenever performing a grease change, make sure to validate the compatibility of the various greases used (refer to [PROLAB's grease compatibility chart](#)).

Available Sizes

435 g, 17 kg, 55 kg, 180 kg

Product Code

281

Characteristics	astm test	typical values
Appearance		Dark brown
N.L.G.I. Grade		2
Viscosity at 40°C	D445	750 cSt
Viscosity at 100°C	D445	35,2 cSt
Viscosity Index	D2270	107
Dropping Point	D2265	300°C
Oil Separation at 25°C	D1742	0,2%
Consistency 60 X	D217	280 (1/10mm)
Shear Stability 100,000 X	D217	2,3%
Shear Stability 10,000 X (50/50 with water)	D217	4%
Roll Stability	D1831	3,7%
Bearing Leak Tendency	D4290	4 SI
Oxydation Resistance 1000h	D942	9 psi
Bearing Life	D3527	100 hrs
4-Ball Wear (75°C, 40 kg, 1200 t/m, 1h)	D2266	0,38 mm
Load Wear Index	D2596	62
Weld Load	D2596	500 kg
Timken OK Load	D2509	27 kg

Rust Preventative	D1743	Pass
Water Spray Resistance at 79°C	D1264	2,0%
Corrosion - Copper Strip	D130	1b
Salt Fog Corrosion (1 mil d.f.t.)	B117	>300 hrs.
Oil Separation (100°C, 30 hrs.)	D6184	n.d.
Pumpability		
23°C (73°F)		234 g/min
-18°C (0°F)		1 gr/min
-23°C (-10°F)		0 gr/min
-29°C (-20°F)		0 gr/min
-34°C (-30°F)		0 gr/min

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