GREASE POLY ALN 2

High efficiency organic thickened lubricating grease with high viscosity index synthetic oil

Description

High performance multipurpose lubricating grease specially designed for operating in a wide temperatures range within –50 and 180ºC continuous temperature and 200ºC peak temperature. Formulated with innovative organic thickeners provided with high chemical and thermal stability together with high viscosity index synthetic oils providing outstanding lubricating capacity and resistance to aging.

Application

- Bearings and any mechanisms operated under temperatures within -50 and 180ºC (220ºC peak).
- Bearing operated with medium and high speed (VF=700,000 – VF =Dmxrpm)Dm = 1/2 (EXT D + INT D).
- Electric motor bearings.
- Fan bearings, exhausters, pumps etc.
- Bearing of oven wagons.
- Bearings and drives in cooling systems.
- Bearings of drying tunnels.
- Bearings in conveyor belts.
- Bearing and bolts in chains operated under strong temperatures variations.
- Plain bearings and joints in plastic-plastic and plastic-metal contacts.
- Lubrication of wire guides, plastic bearings and slides.
- Lubrication of bearings and general mechanisms wherever a reduced greasing frequency is needed to improve the useful life

Typical Performance Data

Color		**Blue**
Thickener		Urea Compound
Base Oil nature		Synthetic
Base Oil viscosity, 40°C		100 cSt.
Worked penetration 60W	ASTM D-217	280 – 320 x 0,1 mm
Drop point	ASTM D-566	Min. 250ºC
Oil separation, 18hr/40ºC	DIN 51817	Max. 1%
NLGI Consistency class	DIN 51818	2
Unworked penetration, 25ºC	ASTM D-217	255-295 x 0,1 mm
Worked penetration 105W	ASTM D-217	Max. +20 x 0,1 m
Specific gravity at 25ºC	-	Approx.0,875 g/c
Oxided ashes	ASTM D-482	Max. 0,05 %
Flow pressure at –35ºC	DIN 51805	Max. 1500 mbar
Oil separation 7 days/40ºC	DIN 51817	Max. 4%
Oil separation 30hr/100ºC	FTM 791.321	Max. 1%
EMCOR corrosion test	DIN 51802	Max. degree 1
Copper corrosion 24hr/100ºC	ASTM D-4048	Max. 1b
Water resistance, 3hr/90ºC	DIN 51807	0
Water wash-out resistance,1hr/80ºC	ASTM D-1264	Max. 1,5%
Oxidation stability, 100hr/100ºC	ASTM D-942	Max. 0,1 bar
Evaporation weight loss, 22hr/100ºC	ASTM D-972	Max. 0,25%
Evaporation weight loss, 48hr/150ºC, thin film	G041	Max. 3%
4 Balls test ⇒ Welding load	IP-239	 Min. 180 Kg Max. 0,70 mm

⇒ Wear scar diameter 1'/80 Kg		
SRV ⇒ Test at 100N, 1mm, 50Hz, 80ºC, 1h, 10mm ball µ minimum µ maximum µ end ⇒ wear scar diameter ⇒ Curve type	ASTM D-5706 & 707	 Max. 0,110 Max. 0,125 Max. 0,120 Max. 0,50 mm Smooth
EP Test Maximum load	-	Min. 500N
Life test in SKF-ROF bearings, 160ºC, 10 000 rpm ⇒ L50	-	Min. 700hr
Service temperature	-	-50 to 180ºC