



Grease Poly ALN

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. Formulated with innovative organic thickeners and provided with a high chemical and thermal stability. In combination with the high viscosity synthetic base oil Grease Poly ALN possesses outstanding lubricating capacity and resistance to aging.

Applications

- Medium and high speed bearings
- Bearings in cold environments and cooling systems
- Electric motor bearings
- Fan bearings, exhausters and pumps
- Oven wagon and drying tunnel bearings
- Bearings in conveyor belts

- Bearings 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

Benefits

- Wide operating temperature range
- Long life lubrication, reducing maintenance costs and lubrication intervals
- Good oxidation resistance
- Protects bearings against rust and corrosion
- Resists water wash-out
- High dropping point
- Low oil separation and will keep electrical motor windings clean
- Superb pumpability at lower temperatures



Typical performance data

	Test method	ALN 0	ALN 2
Colour		Blue	
Thickener		Tetra-urea	
Base oil type		PAO	
Base oil viscosity @ 40 °C, cSt		100	100
Specific gravity @ 25 °C, g/cm ³		0,875	0,875
Worked penetration 60W, x 0,1 mm	ASTM D217	280-320	340-360
Dropping point, °C	ASTM D566	250	250
Oil separation @ 18hr/40 °C, %	DIN 51817	1	2,5
NLGI class	DIN 51818	0/1	2
Unworked penetration @ 25 °C, x 0,1 mm	ASTM D217	365-395	255-295
Sulphated ash, %	ASTM D482	0,05	0,05
Flow pressure @ -35 °C, mbar, max	DIN 51805	1500	1500
Oil separation 7 days/40 °C, %	DIN 51817	4	4
Oil separation 30hr/100 °C, %	FTM 791.321	1	1
EMCOR corrosion test	DIN 51802	1	1
Copper corrosion, 24hr/100 °C	ASTM D4048	1b	1b
Water resistance, 3hr/90 °C	DIN 51807	0	0
Water wash-out resistance, 1hr/80 °C, %	ASTM D1264	1,5	1,5
Oxidation stability, 100hr/100 °C, bar	ASTM D942	0,1	0,1
Evaporation weight loss, 22hr/100 °C, %	ASTM D972	0,25	0,25
Evaporation weight loss, 48hr/150 °C, %	G041	3	3
4-ball wear test	IP-239		
• Welding load, kg		180	180
• Wear scar diameter 1/80 kg, mm		0,70	0,70
SRV test @ 100N, 1mm, 50Hz, 80 °C, 1h, 10 mm ball	ASTM D5706		
• Minimum		0,110	0,110
• Maximum		0,125	0,125
• End		0,120	0,120
• Wear scar diameter, mm		0,50	0,50
EP Test maximum load, N		500	500
Life test SKF-ROF bearings @ 160 °C, 10 000 rpm, L50, hours		700	700
Service temperature, °C		-50 – 180	-50 – 180

All performance data on this Technical Data Sheet are indicative only and can vary during production

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