

INA LIS EP 2

General Description - Applications

INA LIS EP 2 is multipurpose lithium lubricating grease with extreme pressure properties containing corrosion and oxidation inhibitors. Operating temperatures range from -30 to 120 °C. Recommended for lubrication of all kinds of rolling and sliding bearings exposed to heavy and shock loads such as rolling mill and other heavy machinery bearings and also for railway locomotive and wagon wheel roller bearing lubrication.

Performance Level - Specifications

Steyr Landmaschinentechnik M - Approval
 Cincinnati Machine P-64 - Approval
 MB-Approval 267.0
 ISO-L-XCCHB 2
 DIN 51825 KP 2 K -30
 INA N 22-220 TIP 2

Properties	INA LIS EP 2	Method
Kinematic Viscosity of Base Oil, mm ² /s		
- at 40 °C	150	ISO 3104
- at 100 °C	14	
NLGI number	2	
Appearance and Colour	homogeneous, yellow-brown	visual
Dropping Point, °C	197	ISO 2176
Worked penetration, 60 strokes at 25 °C, 0,1 mm	275	ISO 2137
Corrosion (Cu, 100 °C, 3 h)	1 a	ISO 2160
Free alkali (as NaOH), mass. %	0,05	ASTM D 128
Mechanical stability, penetration change after 10 000 strokes, %	8	ISO 2137
Oxidation stability (99 °C, 100 h) - pressure drop, kPa	14	ASTM D 942
Water washout (79 °C, 1 h), mass. %	3	ISO 11009
Oil separation (40 °C, 168 h) mass. %	3,5	IP 121
Rust preventing properties, SKF Emcor	0/0	DIN 51802
Four ball EP Test, Weld Point (1 430 rpm, 10 s), N	3 150	ASTM D 2596
Wear Test, Four ball, Average scar diameter, (392 N, 1 200 rpm, 75 °C, 1 h), mm	0,50	ASTM D 2266
Timken OK Load (800 rpm, 24 6 °C, 10 min) N	178	ASTM D 2509

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.