WORLD CLASS LUBRICANTS

TECHNICAL DATA SHEET

PRODUCT INDY GREASE EP2

Extreme Pressure Grease

DESCRIPTION

INDY Grease EP2 is a high quality, multipurpose lithium-based grease made from solvent refined mineral oils and incorporating a multifunctional extreme pressure additive as well as corrosion and oxidation inhibitors. It is resistant to water and high-temperature steam and suitable for operating temperatures between -30°C and 130°C.

KEY ADVANTAGES

Thermal stability	Very good thermal stability allowing the grease to perform for short periods of time under extreme temperatures, regaining its original texture after cooling to ambient temperature.
Mechanical stability	Allows for long periods of storage or non-use in the application without and mechanical breakdown of the grease thickener (e.g. oil separation)
Water resistant	The thickener has very good natural attributes which displace and resist water ingress.
Heat resistant	Exhibits excellent resistance to heat.
Excellent reversibility	After being subject to high temperatures, the grease has excellent reversal characteristics allowing the re-absorption of oil released after periods of high temperature.

TYPICAL APPLICATIONS

Chassis lubrication, hinges, winding mechanisms, suspension, steering linkage systems, etc...
Ball & roller bearings, conveyor bearings, plain bearings, slides - general industrial lubrication needs.
General purpose lubrication of all automotive and agricultural equipment.
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Mixing greases in a system can cause issues with thickener systems reacting with each other, changing the physical and chemical structure of the grease, causing an inability to hold or release base oil. Proper care must be taken to ensure compatibility when changing from one grease system to another.
This grease is not compatible with greases making use of the following thickener types: aluminium complex, barium, bentonite clay, calcium complex and polyurea. There is a borderline compatibility sodium thickeners. Care must be taken to ensure the application is properly cleaned before using this product if a borderline or non-compatible product has been used before.

ENVIRONMENT, HEALTH and SAFETY

This product is classified under the OECD 301B Modified Sturm, ASTM D-5864, and CEC L-33-T-82 standards as being inherently biodegradable (i.e. 20-70% biodegradable in 28 days). Information is available on this product in the Material Safety Data Sheet (MSDS). Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. This product contains no PCB's (Polychlorinated Biphenyls).

Durban Head Office: + 27 31 910 3111
+ 27 60 572 8088
Pietermaritzburg: + 27 33 392 9300
+27 33 390 1844

Based on available information, this product is not expected to produce harmful effects to health when used for the intended application. MSDS are available on request or via the internet. Used oil is potentially hazardous to your health and the environment. Dispose of used oil correctly and according to legislation.

WORLD CLASS LUBRICANTS

INDY OIL® "World Class Lubricants"

TECHNICAL DATA SHEET

Typical Technical Characteristics

Description	Method	Units	Result
Classification			Mixed mineral and synthetic oil
Viscosity of oil @ 40°C	ASTM D2983	cSt	260
Oil content (% of mass)	ASTM D128	% m	88
Density	ASTM D217	$g.cm^{-3}$	0.912
Worked penetration	ASTM D1403	mm	265-295
Dropping point	ASTM D2265	°C	190
Evaporation loss	ASTM D972	% m	5
Oil separation	ASTM D972	% m	5
Oxidation stability	ASTM D942	kPa	60
Low temperature torque	ASTM D1478	mN.m	880 (start) 400 (running)
NLGI grade	ASTM D217		2
Thickener type			Lithium
Colour	visual		Tan
Appearance	Visual		Buttery, tacky
4-ball wear test scar	ASTM D2266	mm	0.50
4-ball weld load	ASTM D2596	kg	315
Timken OK load	ASTM D2509	lb	60
Corrosion prevention	ASTM D1743		Pass
Copper Strip corrosion	ASTM D4048		IB
Dielectric constant @°C			2.1

SPECIFICATIONS

ASTM D-5864 / CEC L-33-T-82
KP2N-40 (DIN 51825)
ISO-L-X-DDIB2 (ISO 6743-9)

PACK SIZES

180 kg / 50 kg / 15 kg / 5 kg / 20x500g

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