

Product Data Sheet

Servogrease Miracle 2

Premium Patented Grease for Heavy Duty Industrial Applications



Description

Servogrease Miracle 2 is a premium quality grease based on patented hybrid metal complex thickener and extreme pressure additives. This grade is specially formulated to meet the high end industrial grease demand for high temperature and load conditions to prevent excessive wear, localised welding or seizure often associated with such operating conditions. Servogrease Miracle 2 grease has excellent shear stability, high load carrying capacity, excellent resistance to water washout & water spray off and protection.

Performance, Features and Benefits

- Protect machine elements from excessive wear
- Prevent welding and seizure of the moving parts often caused by shock loading
- Protect bearing elements against rust and corrosion
- Resist water wash out thus assuring adequate lubrication over extended service intervals
- Resist water spray off

Application

Servogrease Miracle 2 grease is recommended for the lubrication of both plain and anti-friction bearings in a wide variety of application such as automotive and earth moving equipment, gear couplings, electric motors, mining equipment and general industrial machinery.

Typical Physical Characteristics

Property	Method	Servogrease Miracle 2
Appearance	Visual	Homogeneous
Colour	Visual	Light Brown
Structure	Visual	Smooth
Thickener Type		Hybrid Metal Complex
NLGI Grade	ASTM D-217	2
Base Oil type (Mineral/Synthetic)		Mineral
Base Oil Kinematic viscosity @ 40°C, cSt	ASTM D-445	220
Worked Penetration (60 Strokes)	ASTM D-217	281
Penetration Change (100000 Strokes), units max	ASTM D-217	+30
Dropping Point, °C	ASTM D-2265	>265
Copper Corrosion, Rating	ASTM D-4048	1b
Heat Stability, % wt., max	ASTM D 6184	3.0
Water Washout, %wt	ASTM D-1264	1.2
Timken OK Load, lb	ASTM D-2509	55
4-Ball Wear, Scar, mm	ASTM D-2266	0.45
4-Ball Weld Load, Kg, min	IP -239	450
EMCOR Rust Test, Rating	IP-220	0, 0

Health, Safety & Environment

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or at <https://cx.indianoil.in/>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

11 MAY 2023

All trademarks used herein are trademarks or registered trademarks of Indian Oil Corporation or one of its subsidiaries unless indicated otherwise. Values reported are typical of those obtained with normal production tolerance, and may vary from batch to batch. Due to continual product research and development, the information contained herein is subject to changes without notification. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. All products, services and information supplied are provided under our standard conditions of sale.

For further information, please contact our nearest office or:

Technical Services Department,
Indian Oil Corporation Ltd.,
G-9, Ali Yavar Jung Marg, Bandra (E),
Mumbai – 400051

E-Mail: servotechserv@indianoil.in or
servots@indianoil.in | <https://cx.indianoil.in/>