

# Product Data Sheet

## Servogem RR 3

Premium Lithium Multipurpose Grease



### Description

Servogem RR 3 is a premium quality, lithium soap, multipurpose grease. The grease is manufactured from high viscosity index base oils and select additives with superior performance benefits.

### Performance, Features and Benefits

- Excellent resistance to water washout
- Superior oxidation and structural stability
- High degree of antirust and anticorrosion properties.
- Gives outstanding performance under varying operating conditions.
- Suitable for lubrication under sub-zero (-25°C) to reasonably high (140°C) temperature conditions.
- Meets specification of Association of American Railroads (AAR-M-942-81) with deviation in consistency and passes SKF Emcor corrosion test and WD-17-MISE-92 specifications.
- Approved by Railways (RDSO)
- Approved by Ashok Leyland

### Application

This grease is specially developed for the lubrication of antifriction bearings of railway axle boxes of locomotives and electric motors to give longer service life. Grease has also been evaluated for pinion and commutator end of traction motors of locomotives.

The grease has been also evaluated for wheel bearing applications for automotive purposes.

### Typical Physical Characteristics

Parameter	Method	Value
Appearance	Visual	Homogeneous
Colour	Visual	Brown
Structure	Visual	Smooth
Thickener Type		Lithium
NLGI Grade	ASTM D-217	3
Worked Penetration (60 Strokes)	ASTM D-217	235
Dropping Point, °C	ASTM D-566	195
Base Oil Kinematic viscosity @ 40°C, cSt	ASTM D-445	180.0
Base Oil type		Mineral
EMCOR Rust Test, Rating	IP-220	0,0
Copper Corrosion	ASTM D 4048	1a
Heat Stability, % wt.	ASTM D 6184	2.0

### 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.

02 DEC 2020

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](mailto:servotechserv@indianoil.in) or  
[servots@indianoil.in](mailto:servots@indianoil.in) | <https://cx.indianoil.in/>