



# SCHAEFFLER **TruPower**

EXPERIENCE THE TRUE POWER OF LUBRICANTS

ENGINE OIL | GEAR OIL | GREASE | COOLANT | HYDRAULIC OIL

**PRODUCT DATA SHEET (PDS)**

SCHAEFFLER

**TruPower**



**GREASES**

**MULTIPURPOSE GREASE FOR WIDE APPLICATION WITH LIFE UPTO 40,000 KMS**



Schaeffler TruPower NLGi-3 MPG is a premium quality lithium base multipurpose grease, provides lubrication & protection to moving parts under very severe shock load conditions, resists water washout and gives long service life. Multipurpose greases can be used for more than one type of job, making them a good choice for workshops, auto shops, manufacturing facilities, and other areas where a specialty grease isn't needed.

Contains extreme pressure and anti-wear additives as well as corrosion inhibitors to provide protection.

This is lithium soap multipurpose grease. Having high drop point, good thermal and structural stability. It has high degree of resistance to oxidation, rusting, corrosion and water washout. This grease is suitable for all automotive lubrication, universal joints & wheel bearings of light vehicles only. This grease also find wide application in both antifriction and plain bearing of general machinery & farm equipment's.

**Meet Specifications :**

- NLGi-3.
- IS:7623:1993.
- IPSS : 1-09-006-10



**Features :**

- Can operate at temperatures of up to 120 °C
- Outstanding thermal, shear & mechanical stability.
- Most effective oxidation & rust inhibiting properties.
- High water resistance.
- Excellent adhesion to metal surface.
- Eco friendly material which does not contain lead, or other heavy metals harmful to human health and the environment.

**Benefits :**

- Superior lubrication in high & low temperature.
- Provides good resistance to water wash out.
- Performs well under load & high speed.
- High resistance to temperature variations.
- Long service life and relubrication periods.
- Excellent adhesion to metal surface.

**Recommended Use :**

- In Automotive - lubricated gears, joints, couplings, bearings, chassis points, hub shafts and many more.
- Also suitable for railways, general machinery and all industrial applications.

**MULTIPURPOSE GREASE FOR WIDE APPLICATION WITH LIFE UPTO 40,000 KMS**

**Typical Properties :**

| Property                      | Method     | Unit               | Grease MPG                     |
|-------------------------------|------------|--------------------|--------------------------------|
| Appearance                    | Visual     |                    | Smooth, Shiny & slightly Tacky |
| Colour                        | Visual     |                    | Amber                          |
| Soap / Thickener              |            |                    | Lithium                        |
| Worked Penetration@25°C (60x) | ASTM D217  | 0.1mm              | 235                            |
| Roll Stability % change, Max. | ASTM D1831 | %                  | 20                             |
| Drop Point                    | ASTM D2265 | °C                 | 200                            |
| Viscosity of base Oil @100°C  | ASTM D445  | mm <sup>2</sup> /s | 14 - 16                        |
| Viscosity of base Oil @40°C   | ASTM D445  | mm <sup>2</sup> /s | 150 - 160                      |
| Timken OK Load                | ASTM D2509 | Kg                 | -                              |
| Four-Ball Weld Load           | ASTM D2596 | Kg                 | 200                            |
| Four-Ball wear scar diameter  | ASTM D2256 | mm                 | 0.6                            |
| Copper Strip Corrosion Rating | ASTM D4048 |                    | 1A                             |
| Water Washout@79°C            | ASTM D1264 | % wt               | <10                            |

These characteristics are typical and variations in these may occur\*

**Product Handling & Storage :**

- Grease Ingredients- Mineral Oil (80-95%), 12HSA (0-6%), HCO (0-8%), additive package (0-10%), Lithium hydroxide (0-2%), Non-Toxic, minor irritant to eyes.
- Color- Amber, Density 0.88 - 0.92 Kg/L, insoluble in water.
- Flash point @210 °C, use dry chemicals, foam, halon, carbon dioxide. Sand, earth or water mist. Nil Flammability at ambient temperature. Oxides of carbon, smoke and irritating vapors as products of incomplete combustion.
- No special handling precautions required, keep away from heat, sparks, flames or strong oxidizers. Do not pressurize, cut, heat or weld empty containers. Store in cool, dry, well ventilated place away from ignition sources and incompatible material like strong acids and oxidizing agents.
- Product disposal should be strictly in accordance with local, state, and federal regulations.
- IATA not regulated. Transport is not dangerous.

**Health & Safety Measures :**

- Eye contact leads Irritation, red-ness, blurred vision: use safety goggles, if affected flush with plenty water till residual goes.
- Skin contact mildly irritating/rashes: Use Gloves, if affected use waterless hand cleaner or wash with soap & water. Long term dermal application can cause irritation.
- If swallowed: Non-Toxic, wash out mouth & contact physician immediately.
- Inhalation: Not expected in normal condition, if mist inhaled take person to fresh air. Long term mist inhalation may cause irritation of the upper respiratory tract.
- Spillage: Avoid spillage, walking through spilled material, Prevent entry into waterways and sewers.
- Maintain person hygiene, wash hands before eating, drinking water.

**About Schaeffler :**

Schaeffler, headquartered in Germany, is a global Automotive and Industrial supplier and is known for leading technology & innovations. Schaeffler manufactures high-precision OE quality components and systems for engine, transmission and chassis applications under LuK, INA & FAG brands.

**Contact :**

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+91 22 61791601/14/18 | [aftermarket.in@schaeffler.com](mailto:aftermarket.in@schaeffler.com) | [www.schaeffler.in](http://www.schaeffler.in)

**Disclaimer :**

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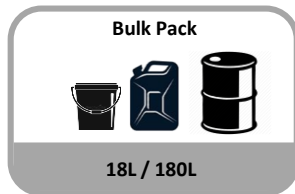
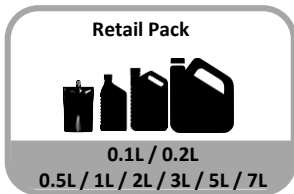
**HEAVY-DUTY HIGH-SPEED RED GREASE WITH LONG LIFE UPTO 90,000 KMS**



Schaeffler TruPower NLGi-3 HDHD is a lithium complex high-speed red grease ensures exceptional performance and durability at high rotational speed. Ideal for the lubrication of very high-speed bearings throughout a wide operating temperature range.

These grease can handle higher speeds friction & heat and can help minimize any potential failures by providing high quality lubrication. It can help prolong the life of the bearing. It is particularly recommended where there is a risk of water ingress, cutting fluid contamination or in the presence of condensation. Typical applications include electric motors, machine tools, aeronautical applications, precision bearings.

Due to higher drop point and higher mechanical stability under high temperature these greases provide excellent performance in antifriction bearings in automotive and disc drum brake wheel bearing of heavy-duty commercial vehicle like trailers, trucks, buses, tankers, highway transport vehicle, passenger cars. These greases give service life up to 90,000 km\*.



**Meet Specifications :**

- NLGi-3.
- DIN 51502.
- ISO 6743-9: 2003.
- GC-LB rating.

**Features :**

- Stable viscosity at ultra high RPMs.
- High Temperature Oxidation & Thermal Stability.
- Lubrication with very low resistant torque.
- Will not form carbon deposits.
- Friction modifiers properties with low noise.

**Benefits :**

- Outstanding lubrication in high speed.
- Adequate viscosity to provides the lubricating film.
- Wide application temperature range.
- Lubrication lasts longer & increase equipment life.
- Prolonged lubrication intervals.
- Less down time & uptime piece of mind with low cost of maintenance.

**Recommended Use :**

- For ultra high-speed bearing applications under wide application temperature range.
- For automotive ball bearings, needle bearings, rotor bearings, machine tools, drills, robots, wheel bearing of heavy-duty commercial vehicles, like-Tankers, Trucks, Trailers, Off-highway transport, earthmoving equipment's etc.



**HEAVY-DUTY HIGH-SPEED RED GREASE WITH LONG LIFE UPTO 90,000 KMS**

**Typical Properties :**

| Property                      | Method     | Unit               | Grease HDHS     |
|-------------------------------|------------|--------------------|-----------------|
| Appearance                    | Visual     |                    | Smooth & Tacky  |
| Colour                        | Visual     |                    | Red             |
| Soap / Thickener              |            |                    | Lithium Complex |
| Worked Penetration@25°C (60x) | ASTM D217  | 0.1mm              | 236             |
| Roll Stability % change, Max. | ASTM D1831 | %                  | 16              |
| Drop Point                    | ASTM D2265 | °C                 | >265            |
| Viscosity of base Oil @100°C  | ASTM D445  | mm <sup>2</sup> /s | 18              |
| Viscosity of base Oil @40°C   | ASTM D445  | mm <sup>2</sup> /s | 220             |
| Timken OK Load                | ASTM D2509 | Kg                 | 50              |
| Four-Ball Weld Load           | ASTM D2596 | Kg                 | 315             |
| Four-Ball wear scar diameter  | ASTM D2256 | mm                 | 0.48            |
| Copper Strip Corrosion Rating | ASTM D4048 |                    | 1A              |
| Water Washout@79°C            | ASTM D1264 | % wt               | <7.5            |

These characteristics are typical and variations in these may occur\*

**Product Handling & Storage :**

- Grease Ingredients- Mineral Oil (80-95%), 12HSA (0-6%), HCO (0-8%), additive package (0-10%), Lithium hydroxide (0-2%), Non-Toxic, minor irritant to eyes.
- Color- Red, Density 0.88 - 0.92 Kg/L, insoluble in water.
- Flash point @230 °C, use dry chemicals, foam, halon, carbon dioxide. Sand, earth or water mist. Nil Flammability at ambient temperature. Oxides of carbon, smoke and irritating vapors as products of incomplete combustion.
- No special handling precautions required, keep away from heat, sparks, flames or strong oxidizers. Do not pressurize, cut, heat or weld empty containers. Store in cool, dry, well ventilated place away from ignition sources and incompatible material like strong acids and oxidizing agents.
- Product disposal should be strictly in accordance with local, state, and federal regulations.
- IATA not regulated, Transport is not dangerous.

**Health & Safety Measures :**

- Eye contact leads Irritation, red-ness, blurred vision: use safety goggles, if affected flush with plenty water till residual goes.
- Skin contact mildly irritating/rashes: Use Gloves, if affected use waterless hand cleaner or wash with soap & water. Long term dermal application can cause irritation.
- If swallowed: Non-Toxic, wash out mouth & contact physician immediately.
- Inhalation: Not expected in normal condition, if mist inhaled take person to fresh air. Long term mist inhalation may cause irritation of the upper respiratory tract.
- Spillage: Avoid spillage, walking through spilled material, Prevent entry into waterways and sewers.
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**HEAVY DUTY PREMIUM GREEN GREASE WITH LONG LIFE UPTO 1,20,000 KMS**

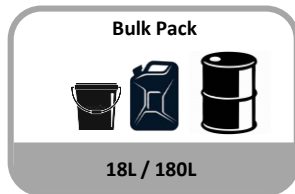
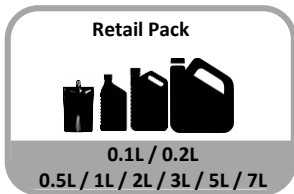


Schaeffler TruPower NLGi-3 HDPGG is a high-performance extreme pressure lithium complex green grease. Formulated using an optimised combination of high-quality base oils, high temperature lithium complex thickener and a specially selected additive system for reliable & high performance across a wide range of applications and operating condition. An extreme-pressure additive provides excellent protection against wear and shock loads, while additional additives enhance resistance to high-temperature oxidation and protection against rust. This heavy-duty, severe-service grease has outstanding structural and chemical stability, will not corrode steel or copper bearing alloys, and is compatible with conventional seal materials. It has excellent resistance to water and resist changes in performance consistency under heavy loads and high-speed conditions.

These greases give service life up to 1,20,000 km\*.

**Meet Specifications :**

- NLGi-3.
- GC-LB rating.



**Features :**

- Excellent oxidation and thermal stability.
- High film strength for superior lubricity.
- Improved structural and chemical stability.
- Enhances adhesion and water resistance.
- Oil separation is minimal even under extreme pressures.
- Higher flash point.
- Satisfactory start-up power & torque requirements.

**Benefits :**

- Ideal for high shear & heavy load application.
- Good protection against wear, rust and corrosion.
- Minimizes friction and fretting wear in extreme pressure areas.
- Consistent performance across a wide range of conditions.
- Better resistance to vibration in heavy duty applications.
- Excellent load bearing capacity.

**Recommended Use :**

- For heavy-duty truck, trailers, tippers, dump trucks, mining and construction applications as well as heavily loaded industrial bearings.

**HEAVY DUTY PREMIUM GREEN GREASE WITH LONG LIFE UPTO 1,20,000 KMS**

**Typical Properties :**

| Property                      | Method     | Unit               | Grease HDPGG    |
|-------------------------------|------------|--------------------|-----------------|
| Appearance                    | Visual     |                    | Smooth & Tacky  |
| Colour                        | Visual     |                    | Green           |
| Soap / Thickener              |            |                    | Lithium Complex |
| Worked Penetration@25°C (60x) | ASTM D217  | 0.1mm              | 236             |
| Roll Stability % change, Max. | ASTM D1831 | %                  | 16              |
| Drop Point                    | ASTM D2265 | °C                 | >265            |
| Viscosity of base Oil @100°C  | ASTM D445  | mm <sup>2</sup> /s | 18              |
| Viscosity of base Oil @40°C   | ASTM D445  | mm <sup>2</sup> /s | 220             |
| Timken OK Load                | ASTM D2509 | Kg                 | 60              |
| Four-Ball Weld Load           | ASTM D2596 | Kg                 | 400             |
| Four-Ball wear scar diameter  | ASTM D2256 | mm                 | 0.48            |
| Copper Strip Corrosion Rating | ASTM D4048 |                    | 1A              |
| Water Washout@79°C            | ASTM D1264 | % wt               | <5              |

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**Product Handling & Storage :**

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