



# MULTIS EP 1

## DESCRIPTION

**Multi-purpose Extreme Pressure  
Lithium/Calcium grease.**

## APPLICATIONS

**MULTIS EP 1** is a true multipurpose grease, formulated for lubrication of loaded slide-ball and roller-bearings, wheel bearings, universal joints, chassis, and various shock loaded or vibrating applications in transport, agriculture, and off-road equipment, operating in wet, dusty and/or dry conditions.

Suitable as general-purpose grease for industrial applications requiring a NLGI 1 grade Extreme Pressure grease.

## SPECIFICATIONS

ISO 6743-9 : L-XCCEB 1

DIN 51 502: KP1K -30

## ADVANTAGES

Because of its true multi-Purpose character **MULTIS EP 1** may replace a wide range of greases, allowing stock rationalization and simplification of maintenance.

Forms a durable lubrication film, resulting in reduction of maintenance and down-time costs.

Miscible with most other conventional soap greases.

Excellent mechanical stability avoiding ejection or loss of consistency during operation.

Excellent adhesion to metal.

Good thermal stability, leading to high resistance to temperature variations.

**MULTIS EP 1** does not contain lead, or other heavy metals considered harmful to human health and the environment.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial adviser [www.quick-fds.com](http://www.quick-fds.com).

**TotalEnergies Lubricants**

SA 552 006 454 RCS Nanterre - France

## RECOMMENDATIONS

Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

## TYPICAL CHARACTERISTICS

| PROPERTIES                                     | METHODS                                   | UNITS                    | MULTIS EP 1       |
|------------------------------------------------|-------------------------------------------|--------------------------|-------------------|
| Soap/thickener                                 |                                           | -                        | Lithium / Calcium |
| NLGI Grade                                     | ASTM D 217/DIN 51 818                     | -                        | 1                 |
| Color                                          | Visual                                    | -                        | Brown             |
| Appearance                                     | Visual                                    | -                        | Smooth            |
| Operating temperature range                    |                                           | °C                       | -30 à 120         |
| Penetration at 25°C                            | ASTM D 217/DIN 51 818                     | 0.1 mm                   | 310-340           |
| Four balls weld load                           | DIN 51 350-4                              | daN                      | 260 - 280         |
| Four balls weld load                           | ASTM D 2596                               | Kgf                      | 315               |
| Four balls wear scar                           | ASTM D 2266                               | mm                       | 0,6               |
| Anti-rust performance<br>SKF-EMCOR             | DIN 51 802/IP220/NFT<br>60-135/ ISO 11007 | Rating                   | 0 - 0             |
| Dropping point                                 | IP 396/DIN ISO 2176                       | °C                       | >190              |
| Kinematic viscosity of<br>the base oil at 40°C | ASTM D 445/DIN 51<br>562-1/ISO 3104/IP71  | mm <sup>2</sup> /s (cSt) | 150               |

Above characteristics are mean values given as an information.

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