



Previous Name: Shell Alvania Grease 2760B

# Shell GadusRail S3 EUFR

- *Extra Protection*
- *Lithium*

## Premium Extreme Pressure Railroad Axle Box Grease

### Customer Benefits

#### Cost Savings via

- Reduced grease consumption due to lower the excellent sealing capabilities of the grease, that prevents leakage from the labyrinth, that result from in house quality control that gives an excellent quality lithium soap
- Lower maintenance costs & reduced downtime that result from the use of a high quality grease thoroughly tested to ensure that each batch will operate satisfactorily in extended service

#### Peace of Mind via

- Proven technology approved by leading rail companies (SNCF and Belgian railways) & key OEMs suitable for extended service use in trains running at up to 200 km/h, with 10 YEARS of excellent field experience by SNCF.
- The knowledge that Shell is in FULL control from Research & Development to manufacture & quality assurance in our own ISO approved plants, and that EVERY BATCH is tested and approved by SNCF in laboratory and rig tests before delivery.
- No unexpected Product Health & Safety problems, as Shell GadusRail S3 EUFR is free from lead & does not require labelling.
- Shell brand which guarantees professional standards & guaranteed back up whatever the lubrication problem

#### Convenience via

- ONE grease for all requirements as Shell GadusRail S3 EUFR can be used in all low to medium speed railway applications (underground , freight & passengers trains for caches and locomotives).
- Availability wherever required, Nationally & Internationally (Shell now markets lubricants in more than 100 countries)

### Key Industry Sectors & Applications

- Rail

European axle box applications where extended service intervals are required to reduce maintenance costs for a linear speed below 200 km/h (for 800 mm diameter wheels and an average bearing diameter of 185 mm).

### **Operating Temperature Range**

Shell GadusRail S3 EUFR is recommended for use over the temperature range -20°C to 120°C

### **Health & Safety**

Shell GadusRail S3 EUFR is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained. For further guidance on Product Health & Safety refer to the appropriate Shell Material Safety Data Sheet

### **Advice**

For advice on applications not covered in this leaflet may be obtained from your Shell Representative

### **Typical Physical Characteristics**

Shell GadusRail Grease	S3 EUFR
<b>NLGI Consistency</b>	2.5
<b>Colour</b>	Light brown
<b>Soap Type</b>	Lithium
<b>Base Oil (type)</b>	Mineral
<b>Kinematic Viscosity</b> @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	100 11
<b>Dropping Point °C</b> (IP 322/ASTM-D566-76)	180
<b>Cone Penetration</b> Unworked @ 25°C 0.1 mm (IP 50/ASTM-D217)	255

These characteristics are typical of current production. Whilst future production will conform to Shell's specification variations in these characteristics may occur.