



Formerly Known As: Shell Alvania Grease 2760 DB

# Shell GadusRail S3 EUDB

- Extra Protection
- Lithium

## Premium Extreme Pressure Railroad Axle Box Grease

Premium extreme pressure grease for highly stressed Railroad Axle Boxes based on lithium thickener for large lubrication intervals.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

- Shell GadusRail S3 EUDB is based on a high refined base oil and a lithium thickener. The product's ageing resistance, the wear protection and anti-corrosion protection is much improved by selected additives.
- Shell GadusRail S3 EUDB contains no solids and has a strong water resistance. Due to its advanced mechanical stability, Shell GadusRail S3 EUDB allows extremely high running performances.
- Shell GadusRail S3 EUDB is used in rail vehicles like freight wagons, passenger wagons or rail cars.
- This grease is used by the German and Italian Railways and by bearing or rolling stock OEMs supplying to the German or Italian Railways.
- Shell GadusRail S3 EUDB is equivalent to the European lubricating grease specification EN 12081 class a for railway axle boxes operating up to a maximum speed of 200 km/h.

#### Main Applications



#### Specifications, Approvals & Recommendations

- Batchly approved by Deutsche Bahn AG
- The Product can be used in applications requiring EN12081 grease

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

#### Typical Physical Characteristics

Properties	Method	Shell GadusRail S3 EUDB
Soap Type		Lithium
Worked Penetration	IP 50 / ASTM D217	245 - 275
NLGI Grade		2.5
Operating Range	°C	ca. -20 bis +120
Emcor Corrosion Protection, Distilled Water	Corrosion Category IP 220	0 / 0
Oil Separation, 7 days	@40°C % IP 121	3.2
Dropping Point	°C IP 396	185
Base Oil, Kinematic Viscosity	@40°C mm <sup>2</sup> /s ASTM D445	100
Base Oil, Kinematic Viscosity	@100°C mm <sup>2</sup> /s ASTM D445	11

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

## Health, Safety & Environment

- **Health and Safety**

Shell GadusRail S3 EUDB Grease is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <http://www.epc.shell.com>

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

## Additional Information

- **Advice**

Advice on applications not covered here may be obtained from your Shell representative.