

Shell Alvania Greases WR

General purpose industrial greases

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|---------------------|-------|-----------------------|--------------------|----------------------|----|------------------|
| THICKENER | NLGI | TEMP RANGE | BASE OIL VISCOSITY | | EP | WATER RESISTANCE |
| LITHIUM/ CALCIUM | 1 & 2 | -20°C to +130°C | 40°C 160 cSt | 100°C 15.5 cSt | ✓ | ☆☆☆ |

Shell Alvania Greases WR are premium quality multi-purpose greases based on high viscosity index mineral oil and a mixed lithium/calcium soap thickener. They contain extreme-pressure, anti-wear, anti-oxidation and anti-corrosion additives to enhance their performance in a wide range of applications.

Applications

Heavy-duty plain and rolling element bearings operating in the following environments:

- heavy load
- high temperature
- shock load
- presence of water

Performance Features

- **Excellent mechanical stability even under vibrating conditions**
Consistency retained over long periods, even in conditions of severe vibration
- **Good corrosion resistance**
Provides protection from the elements of corrosion
- **Extended life at moderate temperatures**
Allows longer periods between maintenance schedules reducing down-time and grease consumption
- **Good oil separation**
Effective lubrication and reliable performance
- **Lead and nitrite free**
For safe handling

Operating Temperature Range

Shell Alvania Greases WR are recommended for the grease lubrication of heavy duty bearings operating up to their maximum rated speed over the temperature range -20°C to 130°C (140°C peak)

Shell Alvania Greases WR are 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 Product Safety Data Sheet

Advice

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

| Shell Alvania Grease | WR 1 | WR 2 |
|--|------------------|------------------|
| NLGI Consistency | 1 | 2 |
| Colour | Light brown | Light brown |
| Soap Type | Lithium/ Calcium | Lithium/ Calcium |
| Base Oil (type) | Mineral | Mineral |
| Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445) | 160 15.5 | 160 15.5 |
| Dropping Point°C (IP 322/ASTM-D566-76) | 170 | 180 |
| Cone Penetration Unworked @ 25°C 0.1 mm (IP 50/ASTM-D217) | 320 | 267 |
| Pumpability Long distance | Fair | Fair |

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