



Shell Alvania Grease 0854

Speciality Grease for Automotive Steering Gears

Shell Alvania 0854 is a Lithium base grease specially designed for use in steering rack and pinion gears of manual as well as hydraulic supported steering systems in different types of vehicles. A special additives combination provides low friction at slow motion as well as extreme pressure protection. Alvania 0854 has excellent low temperature properties to ensure steering rack function down to -35°C .

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Outstanding load carrying capacity**

Shell Alvania 0854 contains special extreme pressure additives to protect from heavy and extreme loads without Lubrication failure.

- **Superior friction behaviour at slow motion**

Shell Alvania 0854 in comparison with other EP greases has the advantage to combine low friction values at slow motion with high EP loading capacity, allowing lower energy consumption and protection.

- **Corrosion protection**

- **Oxidation resistance**

The special selection of base oils and additives provides excellent resistance to oxidation maintaining life time functionality of steering gears.

Main Applications



- Manual and hydraulic supported steering rack grease in automotive application.
- Heavy duty plain and rolling bearing under severe conditions including shock load
- Low temperature greasing application
- Operation temperature -35°C up to 130°C for bearing operation.

Specifications, Approvals & Recommendations

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

Typical Physical Characteristics

Properties			Method	Shell Alvania Grease 0854
NLGI Consistency				1
Colour				brown
Soap Type				Lithium
Kinematic Viscosity	@40°C	mm ² /s	ISO 3104	100
Kinematic Viscosity	@100°C	mm ² /s	ISO 3104	11.0
Cone Penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	300 - 330
Dropping Point			IP 396	180

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 Alvania 0854 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 <https://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

- **Operating Temperature Range**

Shell Alvania 0854 operation temperature is from -35°C up to 130°C .

- **Advice**

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