

# Shell Alvania 0854

## Speciality Grease for Automotive Steering Gears

THICKENER	NLGI	TEMP RANGE	BASE OIL VISCOSITY		EP	WATER RESISTANCE
LITHIUM	1	-35 °C to +130 °C	40 °C 100 mm2/s	100 °C 11.5 mm2/s	✓	☆☆

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.

### 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.

### Performance Features

- 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.

### Operating Temperature Range

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

### Health & 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 industrial and personal hygiene are maintained. For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

### Typical Physical Characteristics

NLGI Consistency	1
Colour	brown
Soap Type	Lithium
Kinematic Viscosity @ 40 °C mm2/s 100 °C mm2/S (ISO 3104)	100 11.0
Cone Penetration Worked @ 25 °C 0.1mm (IP 50/ASTM-D217)	300-330
Dropping Point °C (IP 396)	190

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

### Advice

Advice on applications not shown on this leaflet may be obtained from your Shell Representative.

