



# Shell Spirax S3 AX 85W-140

*High Performance, GL-5 Axle Oil for General Applications*

Shell Spirax S3 AX 85W-140 is a high performance, API GL-5 gear and axle oil for moderate to heavily loaded on and off-road driveline applications requiring SAE 85W-140 oil.

## DESIGNED TO MEET CHALLENGES

### Performance, Features & Benefits

#### ■ Multiple vehicle applications

High performance fluid for API GL-5 applications that may require SAE 85W-140, 140, or 80W-140 fluids. May be used in some SAE 75W-140 applications where low temperature performance is not needed.

#### ■ Longer oil drain capability

Long life additives ensure long-term protection of the gears and high oxidation resistance so providing extended drain capability.

#### ■ Longer transmission life

Outstanding pitting, scoring and wear protection.

#### ■ Automotive differentials

Automotive gearboxes, differentials and hypoid gear sets in motorcycle, passenger car, commercial vehicles, off-road construction and agricultural equipment.

#### ■ General gear sets

Ancillary equipment gear sets and some industrial equipment.

### Specifications, Approvals & Recommendations

#### ■ MAN : 342 Type M1

#### ■ ZF TE-ML : 07A, 16C, 17B, 19B, 21A

#### ■ API Service Classification : GL-5

#### ■ US Military : MIL-L-2105D

- For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

### Main Applications



### Typical Physical Characteristics

| Properties                 | Method             | Shell Spirax S3 AX 85W-140 |
|----------------------------|--------------------|----------------------------|
| SAE Viscosity Grade        | SAE J 306          | 85W-140                    |
| Kinematic Viscosity @40°C  | mm <sup>2</sup> /s | ISO 3104 435               |
| Kinematic Viscosity @100°C | mm <sup>2</sup> /s | ISO 3104 29.6              |
| Density @15°C              | kg/m <sup>3</sup>  | ISO 12185 910              |
| Flash Point (COC)          | °C                 | ISO 2592 225               |
| Pour Point                 | °C                 | ISO 3016 -15               |

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 Spirax S3 AX 85W-140 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 Material 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.