



# Shell Hydraulic Oil 46

## General Purpose Hydraulic Oil

Shell Hydraulic oil is a general purpose Zinc based hydraulic oil based on refined petroleum mineral oil based fluids, incorporates additives to control rust and corrosion, and minimizes oxidation and foaming.

### DESIGNED TO MEET CHALLENGES

#### Main Applications

- Hydraulic systems operating under less severe conditions where filtration requirements are moderate and normal anti-wear properties are required.
- Static and mobile systems of older design where leakage is a problem and a cost effective hydraulic oil offering good all-round protection is required.
- Applications which call for a low viscosity mineral lubricating oil with anti-corrosion and anti-oxidation properties.

Shell Hydraulic Oil is not intended for use in systems where stress on the oil is high and ultra-fine filtration and sophisticated control valves are employed.

#### Specifications, Approvals & Recommendations

- IS : 3098 - 1983 (Reaffirmed 1993)
- For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

#### Compatibility & Miscibility

Shell Hydraulic Oil is compatible with all common construction metals and sealing materials used in Hydraulic systems. They should not be used in conjunction with components which employ silver or silver-plated parts.

#### Typical Physical Characteristics

Properties		Method	Shell Hydraulic Oil 46	
Kinematic Viscosity	@40°C	cSt	ASTM D445	46
Viscosity Index			ISO 2909	90
Flash Point (COC)		°C	ISO 2592	210
Pour Point		°C	ISO 3016	-12

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 Hydraulic Oil 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. In the event of any queries contact your local Shell Lubricants Representative.

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 authorized collection point. Do not discharge into drains, soil or water.

#### Additional Information

##### Advice

Advice on applications not covered here may be obtained from your local Shell Lubricants Representative.