



Technical Data Sheet

- Reliable Protection
- Anti Wear
- Industrial Applications
- Mobile Applications

Shell Tellus S1 V 100 (India)

Industrial Hydraulic Fluid

A quality hydraulic fluid which provides cost effective and reliable protection and performance in most industrial and mobile applications.

Performance, Features & Benefits

- **Wear protection**

Formulated with proven anti-wear technology to be effective throughout the range of operating conditions, including low and severe duty high load conditions to protect components like pumps etc.

- **Oil life**

Resists oxidation in presence of air, water and copper therefore offering good oil life and deposit control in hydraulic systems.

- **System efficiency**

Good surface properties to ensure quick air release as well as foam control in the system. Shows good demulsibility to resist formation of water-in-oil emulsions and prevent consequent damage to pump and hydraulic system cleanliness.

Main Applications



- **Industrial hydraulic systems**

Suitable for a wide range of hydraulic power applications found in industrial environments.

For more demanding applications Shell Tellus S2, S3 or S4 range of fluids provide superior performance for systems where the stress on the fluid is high and ultra-fine filtration and sophisticated control valves are employed.

Specifications, Approvals & Recommendations

- ISO 11158 HV Fluid

- DIN 51524 Part 3 HVLP type

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

Compatibility & Miscibility

Compatible with most other mineral oil based hydraulic fluids. However, mineral oil hydraulic fluids should not be mixed with other fluid types (e.g. environmentally acceptable or fire resistant fluids).

- **Compatibility**

Suitable for use with most hydraulic pumps. However, please consult your Shell representative before using in pumps containing silver plated components.

- **Seal & Paint Compatibility**

Compatible with seal materials and paints normally specified for use with mineral oils.

Typical Physical Characteristics

Properties	Method	Shell Tellus S1 V 100 (India)
ISO Viscosity Grade	ISO 3448	100
ISO Fluid Type		HV
Kinematic Viscosity @40°C cSt	ASTM D445	100

Properties			Method	Shell Tellus S1 V 100 (India)
Kinematic Viscosity	@100°C	cSt	ASTM D445	14.19
Viscosity Index			ISO 2909	143
Density	@15°C	kg/m ³	DIN EN ISO 12185	887
Flash Point (COC)		°C	ISO 2592	240
Pour Point		°C	ISO 3016	-24

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

This product 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

- **Advice**

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