



## Technical Data Sheet

- Reliable Protection
- Mobile Applications
- Industrial Applications

# Shell Tellus S1 V 100 (India)

## Industrial Hydraulic Fluid

Shell Tellus S1 V fluids are a quality anti-wear hydraulic fluid which provides cost effective and reliable protection and performance in most industrial and mobile applications.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

- **Oxidation resistant**

Shell Tellus S1 V fluids resist oxidation in the presence of air, water and copper therefore offering good oil life and deposit control in hydraulic systems.

- **Good anti-wear performance**

Shell Tellus S1 V fluids are formulated with proven anti-wear technology to be effective throughout the range of operating conditions, including low and moderate conditions to protect components like pumps etc.

#### Main Applications



- **Industrial hydraulic systems**

Shell Tellus S1 V fluids are suitable for a wide range of hydraulic power applications found in industrial environments.

- **Mobile hydraulic fluid power transmission systems**

Shell Tellus S1 V fluids can be used in mobile hydraulic power applications such as excavators and cranes.

Shell Tellus S1 V fluids operate under moderate duty cycles, except where significant ambient temperature variations are encountered.

For more demanding and specialized applications, the Shell Tellus 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

- **Compatibility**

Shell Tellus S1 V fluids are suitable for use with most hydraulic pumps. However, please consult your Shell representative before using in pumps containing silver plated components.

- **Fluid Compatibility**

Shell Tellus S1 V fluids are 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).

- **Seal & Paint Compatibility**

Shell Tellus S1 V fluids are 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                           |
| Kinematic Viscosity | @100°C | cSt               | ASTM D445        | 14.19                         |
| Viscosity Index     |        |                   | ISO 2909         | 143                           |
| Density             | @15°C  | kg/m <sup>3</sup> | 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.