



# Shell Flushing Oil 32

## Industrial Flushing Oil

Shell Flushing Oil 32 is a very low sulphur content non-detergent industrial Group II flushing oil that is suitable for the flushing removal of light hydrocarbon based industrial fluid systems.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

- **Light viscosity**  
Shell Flushing Oil 32 is an ISO VG 32 fluid and is light enough to penetrate into remote reservoirs in hydraulic and turbine systems. Its wide range in viscosity and high flash point make it suitable for use in flushing heat transfer systems as well.
- **Hydrocarbon based**  
Shell Flushing Oil 32 is hydrocarbon based and is fully compatible with most hydraulic, turbine or heat transfer system materials. It meets the requirements of JIS K 2213 Type 1 (without additive) and MHI Power Type 1 Flushing Oil.
- **Non-detergent**  
Shell Flushing Oil 32 is a non-detergent fluid and therefore can be used with full confidence in calcium sensitive environments.

#### Main Applications

- Shell Flushing Oil 32 is an ISO VG 32 grade non-detergent flushing oil suitable for use in hydraulic, turbine or heat transfer systems requiring comprehensive cleaning and fluid extraction before recharge. It is based on Group II base oils.
- Shell Flushing Oil does not contain detergents and can be used with confidence in systems requiring nil contamination from calcium, detergent or soap containing materials.
- Shell Flushing Oil 32 is hydrocarbon based. It has been severely hydroprocessed.

#### Typical Physical Characteristics

Properties		Method	Shell Flushing Oil 32
Total Sulphur	mg/kg	D 2622	< 10
Zinc Content	mg/kg		< 5
Kinematic Viscosity	@40°C	cSt	IP 71
Density	@15°C	kg/litre	IP 365
Pour Point		°C	IP 15
Flash Point (closed cup)		°C	D 93
Total Acid Number	mg KOH/g	D 974	< 0.03
Air Release	@50°C	mins	IP 313

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 Flushing Oil 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 your Shell representative.

- **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.