

# Shell Tivela Oils W

## Synthetic Industrial gear lubricants



Shell Tivela Oils W are high performance synthetic gear lubricants with special additives to enhance their anti-oxidation and anti-corrosion characteristics.

### Applications

- High speed/shock loaded industrial gears
- Highly loaded industrial gears
- Worm gear lubrication
- Bearing & circulation lubricants in applications such as plastic calendars where high bulk oil temperatures of up to 200°C may be experienced

*Shell Tivela Oils W are not recommended for the lubrication of gears manufactured from bronze alloys containing aluminium*

### Performance Features

- **Extremely high viscosity index**  
A natural feature providing high shear stability without the need for viscosity index improvers. Stays in grade in the most arduous conditions.
- **Low pour point**  
Effective lubrication at low start-up temperatures
- **High load-carrying capacity**  
Maintains a fluid film between working surfaces in conditions of high load and shock
- **Exceptional low frictional characteristics**  
For efficient power transmission
- **High oxidation & thermal stability**  
Resistant to the formation of the harmful products of oxidation
- **Excellent steel-on-steel scuffing protection and steel-on-bronze anti-wear characteristics**  
For reliable trouble free performance

### Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative

### Typical Physical Characteristics

Shell Tivela Oil	WA	WB
ISO Viscosity Grade	150	220
Kinematic Viscosity @ 40°C cSt 100°C cSt (IP 71)	147 24.5	234 35
Viscosity Index (IP 226)	200	200
Density @ 15°C kg/l (IP 365)	1.025	1.026
Flash Point °C (Open Cup)	277	321
Pour Point °C (IP 15)	-33	-33

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

### Health & Safety

Shell Tivela Oils W are 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.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

### Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.