

Shell Torcula Oils

Rockdrill and pneumatic tool lubricants



Shell Torcula Oils have been developed to meet the special lubrication requirements of all percussion type pneumatic tools, including those subjected to the most arduous conditions. They are based on a blend of highly refined mineral oils and selected additives chosen for their ability to maintain high oil film strength and effectively lubricate the demanding requirements of pneumatic drill impact mechanisms.

Applications

- **Percussion type pneumatic tools, including those used for rock drilling**
- **Oil mist lubrication systems and air tools**
- **Air tools**
- **Gear and bearing lubrication systems subject to water ingress**
- **Good low temperature fluidity**
Remains mobile at low temperatures and resist oil build-up in areas cooled by rapid air expansion.
- **Excellent corrosion protection**
Provide high levels of corrosion protection even under severe water wash conditions.

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

Specification and Approvals

Approved by Gardner-Denver and other pneumatic tool manufacturers

Performance Features and Benefits

- **Excellent lubrication performance and anti-wear properties**
Developed to provide excellent lubricity and anti-wear properties to protect percussion tools including rockdrills operating under arduous conditions.
- **Good thermal and oxidation stability**
Resists sludge and deposit formation in critical areas of air driven tools where elevated temperatures are found.

Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

Protect the environment

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

Typical Physical Characteristics

| Torcula | | 32 | 68 | 100 | 150 | 220 | 320 | 460 |
|---------------------|-----------------------------|-----|-----|------|------|------|------|------|
| ISO Viscosity Grade | ISO 3448 | 32 | 68 | 100 | 150 | 220 | 320 | 460 |
| Kinematic Viscosity | ISO 3104 | | | | | | | |
| at 40°C | mm ² /s | 32 | 68 | 100 | 150 | 220 | 320 | 460 |
| at 100°C | mm ² /s | 5.4 | 8.8 | 11.8 | 15.4 | 19.2 | 25.0 | 30.8 |
| Viscosity Index | ISO 2909 | 102 | 104 | 107 | 103 | 100 | 100 | 100 |
| Flash Point COC | °C ISO 2592 | 208 | 215 | 232 | 249 | 260 | 258 | 265 |
| Pour Point | °C ISO 3016 | -30 | -30 | -30 | -24 | -21 | -15 | -12 |
| Density at 15°C | kg/m ³ ISO 12185 | 873 | 887 | 895 | 896 | 899 | 903 | 904 |

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