

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.