Shell TORCULA® Oils

Rockdrill and pneumatic tool lubricants

Shell TORCULA® Oils have been developed to meet he 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.

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.
- **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.

Main 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.

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

Specification, Approvals, and Recommendations

Approved by Gardner-Denver and other pneumatic tool manufacturers

Handling and Safety Information

For information on the safe handling, storage, or use of this product, refer to its Material Safety Data Sheet at http://www.epc.shell.com/. If you are a Shell Distributor, please call 1+800-332-6457 for all of your service needs. All other customers please call 1+800-237-8645 for all of your service needs.

Protect the Environment

Do not discharge into drains, soil, or water.

Shell TORCULA® Oils	Test Method	46	100	150	220	320
Gravity, °API	D 1298	27.2	27.2	24.9	24.9	24.9
Appearance	D 1500	—Light to dark pale—				
Flash, COC, °F	D 92	385	505	510	510	530
Pour Point, °F	D 97	-20	-20	0	0	0
Viscosity						
@ 40°C, cSt	D 445	46	100	150	220	320
@ 40 °C, cSt	D 445	6.8	11.6	14.8	19.2	24.5
@ 100°F, SUS	(calc)	237	520	788	1162	1702
@ 210 °F, SUS	(calc)	49	66.2	78.9	97.7	122
Viscosity Index	D2270	102	104	98	98	98
Timken, Load, lbs	D 2782	35	50	60	65	75
Tackiness		Present	Present	Present	Present	Present
Recommended Operating Temperature Range, °F		-20 to 40	40 to 80	40 to 80	——Above 80——	

These characteristics are typical of current production. While future production will conform to Shell specifications, variation in these characteristics may occur.