



SHELL TORCULA[®] OILS

Premium oils for lubrication of air operated rock-drilling equipment

Product Description

Shell Torcula[®] Oils are specially developed lubricants of high film-strength that provide excellent lubrication of rock drills, jackhammers, sinkers and other air operated percussion tools. **Shell Torcula[®] Oils** are blended with an unusual combination of high film-strength, oiliness and anti-wear additives into high quality mineral oils. These products have consistently provided outstanding field performance. **Shell Torcula[®] Oils** atomize readily in air line lubricators to make an oil mist. This mist passes through the drill, lubricates the closely-fitted working parts and helps restrict the build-up of frictional heat. A protective oil film helps protect metal parts from rust caused by moisture-laden air.

Applications

- rock drills
- jack hammers
- sinkers
- other air operated tools, especially those used in underground mining
- Gardner Denver, Chicago Pneumatic, Ingersoll-Rand and other manufacturers

Features/Benefits

- load-carrying properties for increased film-strength
- minimization of frictional heat
- reduction of operating costs by increasing drill life and decreased repairs
- emulsification of water and increased oil absorption on the working surfaces of parts
- protection from rust in the presence of water
- tackiness which helps these oils adhere to working parts

Typical Properties of Shell Torcula® Oils

ISO Viscosity Grade

	Test Method	46	100	150	220	320
Product Code		66545	66546	66551	65562	66548
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-----	

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.