



SHELL MORLINA[®] HS

Premium quality lubricants for high-speed bearings

Product Description

Shell Morlina[®] HS are premium quality, highly refined lubricating oils formulated for use in high-speed, lightly loaded bearings, running at speeds of 20,000 to 40,000 RPMs, found in textile spinning frames and in automated machine tools. **Shell Morlina[®] HS** provide excellent oxidation stability, rust protection and resistance to deposit formation. Their low viscosities reduce oil thickness, lowering operating temperatures by reducing friction. The carefully balanced anti-wear chemistry contained in **Shell Morlina[®] HS** helps extend equipment life.

Applications

- textile industry where machine oil does not contact fabrics or oil staining is not an issue
- automatic machine tools and other applications where operating speeds are in excess of 10,000 rpm

Features/Benefits

- excellent oxidation stability
- non-corrosiveness to metals
- excellent water separation characteristics
- excellent protection from rust and oxidation
- excellent anti-wear properties

Approvals and Recommendations

- Cincinnati Lamb P-45 (**Shell Morlina[®] HS 22**)
- Cincinnati Lamb P-62 (**Shell Morlina[®] HS 10**)

Typical Properties of Shell Morlina® HS

	Test Method	ISO Viscosity Grade	
		10	22
Product Code		65212	65213
Viscosity:			
@ 40°C, cSt	D 445	10.0	21.1
@ 100°C, cSt	D 445	2.3	4.1
Gravity, °API	D 1298	28	32
Flash Point, °F	D 92	300	380
Pour Point, °F	D 97	-30	-25
Copper Corrosion	D 130	1a	1a
Acid Number, mg KOH/g	D 974	0.2	0.2
Emulsion Test, minutes	D 1401	5	5
Turbine Oil Stability Test, hrs	D 943	2000+	2000+
Rust Test	D 665B	Pass	Pass

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet <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.com/us/lubricants>.