



Previous Name: Shell Morlina Oils

Shell Morlina S2 B 150

- *Reliable Protection*
- *Industrial Application*
- *Water Shedding*

Industrial Bearing & Circulating Oils

Shell Morlina S2 B oils are high performance oils designed to provide outstanding oxidation and water separation protection for most general industrial bearing and circulating oil system applications and certain other industrial applications which do not require oils with extreme pressure (EP) properties. These oils meet the requirements of the Morgan Construction Company and Danieli for common bearing oils.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Long oil life – Maintenance saving**
Shell Morlina S2 B oils are formulated with a well proven rust and oxidation inhibitor additive package that helps provide consistent performance and protection throughout the maintenance interval.
- **Reliable wear & corrosion protection**
Shell Morlina S2 B oils help prolong the life of bearings and circulating systems through:
 - Excellent water separation characteristics that helps ensure that critical oil films are retained between highly loaded parts.
 - Good air release characteristics to minimize cavitation and associated damage to circulating pumps.
 - Helps protect against corrosion, oxidation, and emulsion formation, even in the presence of water.
- **Maintaining system efficiency**
Shell Morlina S2 B oils are blended with high quality, solvent refined base oils that promote good water separation and air release to ensure the efficient lubrication of the machines and systems.

- **Roll-neck bearings**
- **Enclosed industrial gear systems**
Low or moderately loaded enclosed gears where EP performance is not required.

Specifications, Approvals & Recommendations

- Morgan MORGOIL® Lubricant Specification New Oil (Rev. 1.1) (MORGOIL is a registered trademark of the Morgan Construction Company)
 - Danieli Standard Oil 6.124249.F
 - DIN 51517-1 – type C
 - DIN 51517-2 - type CL
- For additional questions and listing of equipment approvals and recommendations, contact you local Shell Technical Helpdesk or the OEM Approvals website.

Compatibility & Miscibility

- **Paint Compatibility**
Shell Morlina S2 B oils are compatible with seal materials and paints normally specified for use with mineral oils.

Main Applications



- **Machine circulation systems**
- **Oil lubricated bearings**
Suitable for most plain and rolling element bearings and general industrial applications.

Typical Physical Characteristics

Properties		Method	Shell Morlina S2 B
ISO Viscosity Grade		ISO 3448	150
Kinematic Viscosity	@40°C mm ² /s	ASTM D 445	150
Kinematic Viscosity	@100°C mm ² /s	ASTM D 445	15
Density	@15°C kg/m ³	ISO 12185	887
Viscosity Index		ISO 2909	95
Flash Point (COC)	°C	ISO 2592	262
Pour Point	°C	ISO 3016	-15
Rust, Distilled Water		ASTM D 665A	Pass
Emulsion Test	Mins	ASTM D 1401	10
Oxidation Control Test : TOST	Hrs	ASTM D 943	1300+
Oxidation Control Test : RBOT	Mins	ASTM 2272	400+
Foam Test, Seq II	ml foam at 0/10 mins	ASTM D 892	10/0

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

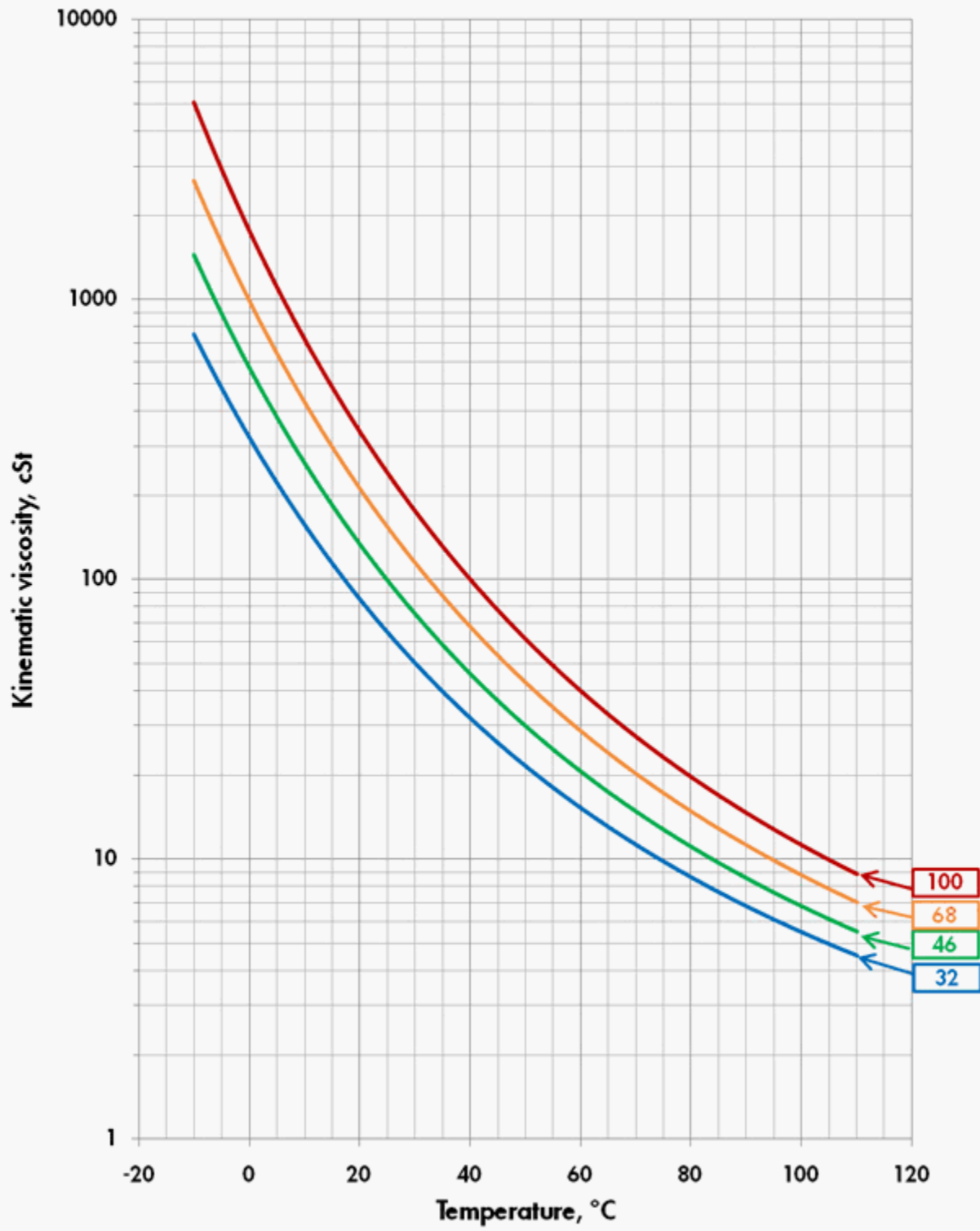
Health, Safety & Environment

- Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.Shell.com/>
- **Protect the Environment**
Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Additional Information

- **Advice**
Product recommendations on applications not listed here may be obtained from your Shell representative.

Viscosity - Temperature Diagram for Shell Morlina S2 B



Viscosity - Temperature Diagram for Shell Morlina S2 B

