Shell OMALA® Oils SW

Problem solving industrial gear oils for exceptional operations

Shell OMALA® Oils SW are specialist 'problem solving' products developed to lubricate industrial gearboxes subject to extremely high and heavily shock loaded operations such as those encountered in the mining, quarrying, cement and steel industries. Shell OMALA® Oils SW are also suitable for use in those applications where ultra high levels of extreme pressure performance are specified (typically 4-ball weld loads > 500 kg).

Performance Features and Benefits

- Excellent load carrying capacity and anti-wear properties for gear tooth protection
- Contains carefully selected additives possessing unique surface activity offering potential to improve or repair worn gear profiles by controlled plastic deformation
- The ability to extend component and lubricant life even under elevated operation temperatures of up to 100°C
- Good oil film stability allows Shell OMALA® Oils SW to be used in plain bearings
- Good rust and corrosion protection of metal surfaces
- Compatible with seal materials and paints normally specified for use with mineral oils

Main Applications

- Enclosed industrial reduction gear systems subjected to severe operating conditions
- Shock loaded gear systems such as those used in equipment of cement, quarry and coal industries
- In older gear systems where an extension of the service is desired
- Where gear teeth are damaged or heavily worn

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

Specification, Approvals, and Recommendations

Meets the ISO 12925-1 Type CKC specification.

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.

Typical Physical Characteristics

Shell OMALA® Oils SW			**150**
Kinematic Viscosity		ASTM D 445	
@ 40°C	cSt		150
@ 100°C	cSt		14.9
Viscosity Index		ASTM D 2270	99
Specific Gravity @ 15°C		ASTM D 1298	896
Flash Point COC	°C	ASTM D 92	190
Pour Point	°C	ASTM D 5949	-24
FZG-Test A/8.3/90	Failure load stage	DIN 51354-2	>12

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