

SHELL OMALA S1 W

INDUSTRIAL GEAR OILS

PREVIOUSLY SHELL VALVATA J

DESIGNED TO MEET CHALLENGES



Shell Omala S1 W oils are quality refined, high viscosity mineral oils compounded with a small percentage of fatty oils. They are particularly suitable for the lubrication of low speed enclosed gears and worm drive application. They are also suitable for the lubrication of high temperature, high pressure steam cylinders.

PERFORMANCE FEATURES

CONSISTENT PERFORMANCE

- Shell Omala S1 W possesses low volatility and a natural resistance to the formation of gummy or carbonaceous deposits in high temperature conditions to give consistent performance through the lubrication maintenance intervals.

WEAR PROTECTION

- Provides a reliable oil film under low speed operation such as worm gear drives.

APPLICATIONS

ENCLOSED INDUSTRIAL WORM GEAR SYSTEMS

- Shell Omala S1 W may be used to advantage in worm gears prone to suffer extensive wear and to reduce the bulk oil temperature. Typical examples are gears running at low speed under stop-start conditions.

STEAM CYLINDER LUBRICATION

- Suitable for steam cylinder applications working under high temperature and high pressure conditions.
- For highly-loaded worm drives Shell Omala S4 WE is recommended.
- For industrial enclosed spur and helical gear systems the Shell Omala 'G' series is recommended.
- For automotive hypoid gears, the appropriate Shell Spirax Oil should be used.

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

MEETS THE SPECIFICATIONS OF:

- AGMA 9005-EO2 (CP).

TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS	460
Kinematic Viscosity (ISO 3104) @ 40°C mm ² /s	460
@ 100°C mm ² /s	31.5
Viscosity Index (ISO 2909)	98
Density @ 15°C kg/m ³ (ISO 12185)	887
Flash Point °C (PMCC) (ISO 2592)	318
Pour Point °C (ISO 3016)	-6