

Shell Malleus Greases STC

Storage & thread compounds for use in the oil industry



THICKENER	NLGI	TEMP RANGE	BASE OIL VISCOSITY		EP	WATER RESISTANCE	SOLID
CALCIUM	1 & 2	-20°C to +60°C	40°C 120 cSt	100°C 11.0 cSt	✓	☆☆☆	GRAPHITE

Shell Malleus Greases STC are storage and thread compounds, meeting the requirements of the DEA 47(E) Committee for use as 'green' dopes. These greases are based on highly refined mineral oils with a calcium soap thickener and suitable additives to provide excellent corrosion protection, prevent galling of threads and ensure consistent make/break torques.

Applications

Shell Malleus Grease STC 1 (SSG 3001)

- Thread compounds for use with Premium connectors

Shell Malleus Grease STC 2

- Thread compounds for use with Rotary shouldered connectors

Performance Features

- **Environmentally friendly**
Products contain no metals (Pb, Zn, Cu) in metallic form or other components identified by the Paris Commission (PARCOM), e.g. PTFE, nylon or other polymers
- **Both products meet the requirements of DEA 47 (E) Committee**
Offers identical level of performance as that given by Shell Malleus Grease TC
- **Proven performance in field tests**
Successfully applied in suitable applications
- **Excellent anti-corrosion performance also provided**
Both greases can be used as effective corrosion preventives, allowing mills to only use one product and simplifying operations for production and drilling companies who do NOT have to remove protectives before applying a thread compound

- **Excellent brushability**
Can be applied even at low temperatures
- **Excellent anti-galling performance**
For carbon steels and up to 13% chromium steels both products minimise damage to pipe threads from galling
- **Excellent water wash-out resistance**
Maintains protection and prevents corrosion. Essential qualities for vehicles working in wet environments
- **Safe handling**
Products do not require labelling

Operating Temperature Range

-20°C to +60°C

Health & Safety

Shell Malleus Greases STC are unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

Advice

Advice on applications not shown on this leaflet may be obtained from your Shell Representative

Typical Physical Characteristics

Shell Malleus Grease	STC 1	STC 2
Colour	Black	Black
NLGI Consistency	1	2
Soap Type	Calcium	Calcium
Base Oil (type)	Mineral oil	Mineral oil
Base Oil Viscosity @ 40°C cSt 100°C cSt (IP 71/ASTM-D445)	120 11.0	120 11.0
Cone Penetration Worked @ 25°C 0.1 mm (IP 50/ASTM-D217)	325	275
Dropping Point °C (IP 132/ASTM-D566-76)	145	145
Applicability at low temperatures	Excellent	Excellent

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

