



# MERETA 680

## Fully synthetic industrial gear oil

### Product description

MERETA 680 is a high performance, fully synthetic industrial gear oil. MERETA 680 is based on polyalphaolefin with effective additives, providing exceptional protection for machine components and extending service life.

### Application areas

MERETA 680 has been specially developed and optimised for use as a gear oil and circulation oil, as well as for hydraulic systems with extreme temperatures. The product is recommended for operating temperatures of up to +110°C in continuous operation. Temporary temperature peaks of up to +180 °C may be permitted without forming harmful oxidation products or deposits.

### Characteristics and advantages

MERETA 680 provides exceptional protection against micropitting and wear in the event of extreme temperatures and heavy loads, as well as extremely good protection against corrosion. The product lubricates very effectively, even at low temperatures, and delivers optimised oxidation stability, which offers very good protection against degradation at high temperatures. These properties produce benefits in the form of problem-free operation, minimal maintenance, extended oil change intervals and a longer service life for bearings and gears. The oil is fully miscible with mineral oil based products.

### Tests and approvals

Specifications: DIN 51517-CLP. ISO 6743: L-CKD, L-CKE, L-PAD

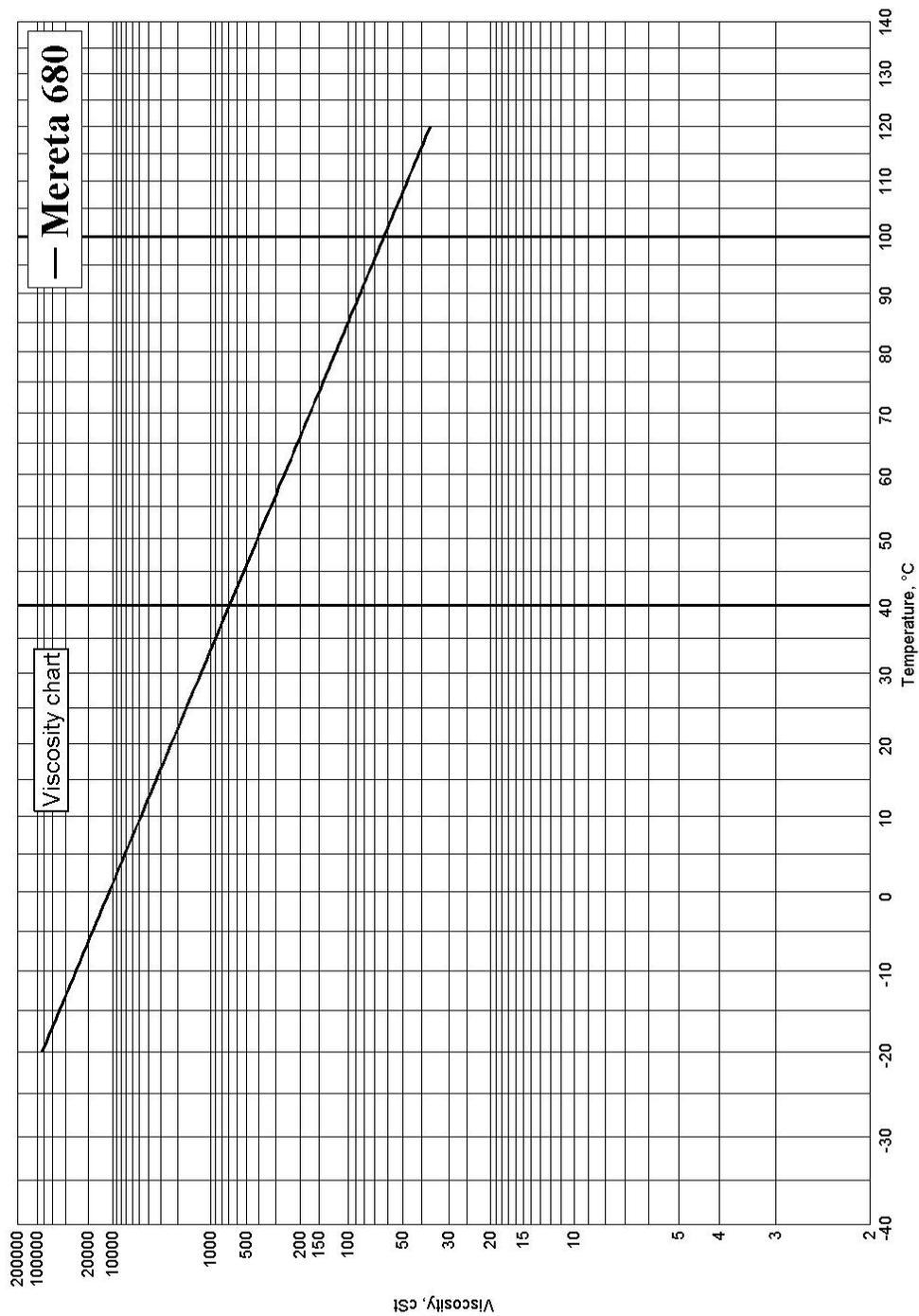
### Handling and storage

Avoid skin contact. In the event of contact with skin, wash with soap and water. Dispose of used oil at a recycling station or equivalent. Safety data sheets are available on [www.statoillubricants.com](http://www.statoillubricants.com) or supplied on request.

### Typical Data

Characteristics	Typical value	Unit	Method
Density at 15°C	862	kg/m <sup>3</sup>	ISO 12185
Flash point COC	260	°C	ISO 2592
FZG A/16,6/90	>12	FLS	DIN 51 354
FZG A/8.3/90	>12	FLS	CEC-L-07-A-95
Pour point	-36	°C	ISO 3016
Viscosity at 40°C	680	mm <sup>2</sup> /s	ISO 3104
Viscosity at 100°C	62	mm <sup>2</sup> /s	ISO 3104
Viscosity index	161	-	ISO 2909

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