



# CHEVRON TURBINE OIL SYMBOL 2190 TEP

## PRODUCT DESCRIPTION

Chevron Turbine Oil Symbol 2190 TEP is formulated for use in circulating oil systems for marine gear turbine sets.

## CUSTOMER BENEFITS

Chevron Turbine Oil Symbol 2190 TEP delivers value through:

- **Long lubricant life** because of selected base stocks and additives.
- **Extreme pressure characteristics** help provide high film strength to protect gears and bearings engaged in heavy-duty service.
- **MIL-PRF-17331J and MIL-PRF-17331K approved** — Meets stringent military specifications for Navy vessels and submarines.
- **High viscosity index** — Minimal viscosity change in broad operating temperature range enhances lubricant film strength.

## FEATURES

Chevron Turbine Oil Symbol 2190 TEP was developed primarily as a circulating system oil for marine gear turbine sets.

Chevron Turbine Oil Symbol 2190 TEP provides mild extreme pressure protection as well as resistance to rust, oxidation, corrosion, and foaming.

Chevron Turbine Oil Symbol 2190 TEP has outstanding thermal and oxidation stability which allows it to withstand the high temperatures found in turbine bearing and gear lubrication.

The foam inhibition helps prevent the buildup of foam in the sump tank with possible vent pipe overflow.

Its excellent stability, high viscosity index, and rust and corrosion inhibition help assure high film strength lubrication for gears and bearings, as well as rust and corrosion protection. Together, these qualities promote both long lubricant and equipment life.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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## APPLICATIONS

Chevron Turbine Oil Symbol 2190 TEP is recommended for use in marine turbine reduction gears, where heavy tooth loading and shock loads are encountered.

The extreme pressure properties enable Chevron Turbine Oil Symbol 2190 TEP to meet the requirements of MIL-PRF-17331J and MIL-PRF-17331K.

Do not filter through Fuller's Earth-type filtration systems since this would deplete the additive package.

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

## TYPICAL TEST DATA

<i>Product Number</i>	253030
<i>SDS Number</i>	4764
API Gravity	31.9
Viscosity, Kinematic cSt at 40°C cSt at 100°C	79.8 9.7
Viscosity, Saybolt SUS at 100°F SUS at 210°F	415 59.1
Viscosity Index	99
Flash Point, °C(°F)	246(475)
Pour Point, °C(°F)	-12(+10)
Color, ASTM D1500	0.5
Conradson Carbon Residue, mass %	0.1
Sulfated Ash, wt %	< 0.001
Corrosion, Copper Strip, 3 h at 100°C	1
Acid Number, ASTM D974, mg KOH/g	0.16

Minor variations in product typical test data are to be expected in normal manufacturing.

