

THERM OIL

INDUSTRIAL OIL

DESCRIPTION

Petrogulf THERM Oils are specialized products made from highly refined, high Viscosity Index, paraffinic base oils. They are non-toxic and exhibit excellent resistance to thermal cracking and oxidation. The high heat content and high thermal conductivity facilitates rapid heating and efficient operation of the heat transfer system. The heat transfer fluid is to be used in systems with forced circulation, thermal fluid heating system and open systems operating at up to 200 °C and closed systems operating at bulk oil temperatures up to 320°C.

FEATURES & BENEFITS

- Excellent thermal efficiency and stability
- Helps ensure long oil life through outstanding thermal and oxidation stability which helps prevent sludging or deposit formation inside piping.
- Good rust and corrosion protection
- Help prevent rusting or corrosive problems in circulating oil system.
- Excellent performance at temperature extremes
- Outstanding thermal stability helps assure minimal thermal cracking at high temperatures or in repeated cycling from low to high temperatures.
- Ease of pumping and circulation
- Excellent stability helps assure minimal oxidation and helps prevent sludging or deposit formation inside piping.
- Minimized makeup oil
- Low vapor pressure combined with low volatility and high flash point means minimum evaporative loss

APPLICATIONS

Petrogulf Thermal Oils are recommended for use in heat transfer systems where fuel oil, gas, or electricity is used to heat a fluid, which then transfers the heat to the point of application

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES		
ISO Grade	32	46	68
Kinematic Viscosity @40°C, mm ² /s	31.5	45.5	67.6
Kinematic Viscosity @100°C, mm ² /s	5.36	6.77	8.77
Viscosity Index	103	102	102
Density @ 15°C Kg/L	0.868	0.870	0.878
Pour Point, °C	-12	-9	-9
Flash Point, COC, °C	214	224	240
Auto-ignition Temperature °C	350	360	370
Total Acid No, mg KOH/g	0.02	0.02	0.02
Color ASTM	L0.5	L1.5	L2.0

**These characteristics are typical of current production. Whilst future production will conform to Petrogulf specification, variations in these Characteristics may occur. The oil drain interval as specified by the engine manufacturer should be adhered to, particularly where indirect fuel Injection is used.*

ISO GRADE	32	46	68
PRODUCT CODE	32200000400	32200000600	32200000800

Handling, Health and Safety

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- PetroGulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from PetroGulf local office.