

GLUT OIL

MINERAL-BASED HEAT TRANSFER OIL



* DESCRIPTION

GLUT OIL is manufactured from mineral paraffinic base oils designed for use as heat transfer media in closed or open systems where oil temperatures do not exceed 290°C (550°F) and skin temperatures are as high as 315°C (600°F). These products naturally exhibit a low tendency toward carbon formation and contain effective antioxidants that provide long service life under high-temperature operating conditions.

* BENEFITS / PROPERTIES

- Easy pumping and circulation.
- Excellent thermal efficiency.
- Low volatility.
- Good oxidation stability to minimize degradation during service.
- Good thermal stability to resist cracking at elevated temperatures.

* APPLICATIONS

Recommended for heat transfer systems using fuel, gas, or electricity to heat the fluid, which subsequently transfers heat to the point of application.

GLUT OIL 22 should be used in closed-loop forced-circulation systems equipped with expansion tanks, with maximum oil temperatures of 315°C (600°F) and skin temperatures as high as 371°C (700°F).

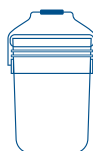
GLUT OIL 32 should be used in closed-loop forced-circulation systems equipped with expansion tanks, with maximum oil temperatures of 290°C (550°F) and skin temperatures as high as 315°C (600°F).

In open systems, the oil surface in contact with air should not exceed 110°C (225°F).

TYPICAL CHARACTERISTICS

BELHERR® GLUT OIL			
ISO VG Grade	22	32	46
Specific Gravity @ 20/4°C	0.85	0.87	0.881
Neutralization Number, mg KOH/g	0.08	0.08	0.08
Flash Point, °C	190	198	200
Viscosity @ 40°C, cSt	19.8 - 24.2	28.8 - 35.2	41.4 - 50.6
Viscosity @ 100°C, cSt	4.2	5.5	7.11
Viscosity Index	90	90	90
ASTM Color	0.5	0.5	1
Conradson Carbon, %	0.02	0.02	0.02
Specific Heat @ 25°C, kcal/kg	44	0.043	0.043
Specific Heat @ 43°C, kcal/kg	0.62	0.6	0.6
Rust Test	PASS	PASS	PASS

AVAILABLE IN



Pail: 19 L



Drum: 208 L



Tote: 1,040 L

