

PRODUCT BULLETIN

CAM2 Heat Transfer Oil

Product # 178, 204, 308

CAM 2 Heat Transfer Oil is formulated with thermally stable mineral oils and anti-oxidants for the severe thermal demands of forced circulation heat transfer systems. Able to absorb and transfer heat quickly to the point of application. CAM 2 Heat Transfer Oils are noncorrosive, low odor, and contain excellent thermal conductivity properties. Extended service life in many industries such as plastics, paint, rubber, paper mill, roofing, textile, and refineries.

Benefits

- **System efficiency-** Low viscosity enables excellent fluidity and heat transfer over a wide temperature range. CAM 2 Heat Transfer Oil also has a low vapor pressure so resists cracking. This minimizes the formation of volatile decomposition products; these would require recovery via expansion chamber and condensate collector.
- **Excellent thermal efficiency and stability —** Helps ensure long oil life through outstanding thermal and oxidation stability which helps prevent sludging or deposit formation inside pipes.
- **Excellent performance at temperature extremes —** Outstanding thermal stability helps assure minimal thermal cracking at high temperatures
- **Minimized makeup oil —** Low vapor pressure combined with low volatility and high flash point means minimum evaporative loss.

Features

- Mineral Oil based transfer oil for use in primary and secondary heating systems.
- Excellent thermal stability
- Long service life
- Broad application range
- Inexpensive application equipment

Applications

CAM 2 Heat Transfer Oil is recommended for

- ISO 6743-12 Q
- DIN 51522
- **Industrial heat transfer systems-** recommended for use in closed loop heat transfer systems operating under atmospheric pressure with or without the presence of an inert gas blanket. May be used in circulating systems calling for a heat transfer fluid.



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Typical Characteristics

Properties	ASTM D-	CAM 2 Heat Transfer Oil		
		Typical Characteristics		
ISO Viscosity Grade		32	46	150
Density @ 15 °C	4052	0.871	0.874	0.889
Flash Point °C/F	92	204/400	207/405	238/460
Pour Point °C/F,	97	-28/-18	-24/-11	-12/10
Viscosity cSt @ 40°C	445	32	46	150
Viscosity Index	2270	>95	>95	>95
Initial Boiling Point °C/F	2887	278/532	280/536	291/556
Autoignition Temperature °C/F	51794	317/602	320/608	328/622
Neutralization Value, mg KOH/g	974	<.06	<.06	<.05
Water Content, %m/m	6304	<.08	<.08	<.08
Ash from Oxidation	482	<.03	<.03	<.03

Typical test data are average values only.

Minor variations which do not affect product performance are to be expected during normal manufacturing.