

PRODUCT BULLETIN

CAM2 Synthetic Heat Transfer Oil

Product # 579, 586, 587

CAM 2 Synthetic Heat Transfer Oils are high-performance lubricants for use in closed and open, cold-oil sealed, indirect heating and cooling systems. Specially developed to cope with continuous high temperatures, CAM2 Synthetic HTOs provide a high resistance to thermal cracking and decomposition while also maintaining excellent fluidity in extreme cold operating conditions. Special additives provide excellent protection against oxidation, deposits and sludge. 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** – Excellent heat transfer capabilities eliminating hot spots for maximum protection
- **Excellent thermal efficiency and stability** - Synthetic base provides wide range of operating temperatures
- **Extended service interval** – Long, trouble-free service life with minimal downtime
- **Excellent performance at temperature extremes** - High resistance to thermal cracking; eliminates sludge and coke deposits
- **Minimized makeup oil** – Low vapor pressure combined with low volatility and high flash point means minimum evaporative loss.
- **Easy cold-starting** – Synthetic base fluids provide superior cold temperature fluidity ensuring easy startup in cold climates
- **Good compatibility** – compatible with most seals and other components found in heat transfer systems

Features

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

Applications

CAM 2 Synthetic 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

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Properties	ASTM D-	Typical Characteristics		
ISO Viscosity Grade		32	46	68
Density @ 15 °C	4052	0.867	0.870	0.874
Flash Point °C/°F	92	259/498	264/507	278/532
Pour Point °C/°F,	97	-26/-15	-20/-4	-14/7
Viscosity cSt @ 40°C	445	32	46	68
Viscosity Index	2270	>120	>120	>120
Initial Boiling Point °C/°F	2887	286/547	299/570	308/586
Autoignition Temperature °C/°F	51794	322/612	335/635	349/660
Neutralization Value, mg KOH/g	974	<.06	<.06	<.06
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.