

SAVSOL THERMIC OIL 32

DESCRIPTION:

SAVSOL THERMIC OIL 32 is excellent heat transfer oil based on specially refined and hydro treated base oils and fortified with modern and effective oxidation inhibitors. The low volatility of the oil prevents build-up of excessive pressures in closed system. Its viscosity is suitable for a high ratio of circulation under a wide range of operating temperatures.

APPLICATION:

SAVSOL THERMIC OIL 32 is ideally suitable for long term application in both open and closed heating systems.

- Closed Systems : It can be used upto a bulk temperature of 300°C in closed systems and film temperature of 340°C.
- Open Systems : Can be used upto 200°C in open systems.

SAVSOL THERMIC OIL 32 is recommended for heat transfer fluid applications in textiles, pharmaceuticals, chemical & processing industries.

ADVANTAGES:

SAVSOL THERMIC OIL 32 offer the following advantages::

- Possess excellent heat transfer capacity
- Low volatility
- Operates under a wide range of temperatures
- Low vapour pressure to give long trouble free service life in heat transfer systems.

TECHNICAL SPECIFICATIONS: : SAVSOL THERMIC OIL 32

PROPERTIES	ASTM TEST METHOD	TYPICAL VALUES
Appearance	Visual	Clear & Bright
Density @ 29.5°C, gm/cm ³	D1298	0.8624
Kinematic Viscosity @ 40°C, cSt	D445	30.30
Kinematic Viscosity @ 100°C, cSt	D445	5.285
Viscosity Index	D2270	106
Flash Point, COC, °C	D92	232
Fire Point, COC, °C	D92	260
Auto Ignition Temperature, °C	E659	425
Conradson Carbon Residue, %	D4530	<0.01
Total Acid Number, mg KOH/gm	D 2896	0.05
Pour Point, °C	D97	-15
Copper Strip Corrosion Test @ 100°C for 3Hrs	D130	1a
Vapour Pressure	D2878	
@ 200°C		0.008
@ 250°C		0.050
@ 300°C		0.200

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TEMPERATURE		SPECIFIC GRAVITY	SPECIFIC HEAT	SPECIFIC HEAT	THERMAL CONDUCTIVITY		KINEMATIC VISCOSITY
°C	°F	gm/cc	Btu/lb°F	kJ/kg°C	Kcal/m.hr.c	Btu/ft hr °F	cSt
10	50	0.862	0.4418	1.843	0.1162	0.0781	158.90
20	68	0.856	0.4505	1.883	0.1156	0.0777	85.62
30	86	0.849	0.4592	1.918	0.1150	0.0773	50.46
40	104	0.843	0.4679	1.952	0.1144	0.0769	32.00
50	122	0.836	0.4766	1.989	0.1138	0.0765	21.55
60	140	0.830	0.4853	2.027	0.1132	0.0761	15.26
70	158	0.823	0.4940	2.064	0.1126	0.0757	11.26
80	176	0.817	0.5027	2.098	0.1120	0.0753	8.60
90	194	0.810	0.5114	2.137	0.1115	0.0749	6.76
100	212	0.804	0.5201	2.173	0.1109	0.0745	5.45
150	302	0.771	0.5636	2.355	0.1079	0.0725	2.42
200	392	0.739	0.6071	2.537	0.1049	0.0705	1.42
250	482	0.706	0.6506	2.717	0.1019	0.0685	0.98
300	572	0.674	0.6941	2.901	0.0990	0.0665	0.74

The above details are typical results of normal production and variations in these characteristics may occur. The information contained herein is subject to change without notification. All recommendations and suggestions are without guarantee and the manufacturers do not accept liability for any loss or damage, however arising, which results directly from the use of such information, nor do we offer any warranty.

Storage:

Store the products indoors and avoid direct sunlight or heat. Please keep the container in closed condition always.

Environment, Health and Safety:

- Do not dispose the used oil to soil, drains and water. Dispose the used oil through authorized collection point
- This product is unlikely to present any safety & health hazard when properly used in the recommended application.
- Avoid contact with skin and eyes. After skin contact, wash with water and soap.

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