



## AXCL THERMIC FLUID

### PRODUCT DESCRIPTION

AXCL THERMIC Fluid is formulated from selected and highly refined petroleum base stock. They have good heat transfer efficiency with better resistance to thermal cracking and chemical oxidation. They have high specific heat and good thermal conductivity providing more rapid heating & greater system flexibility.

### APPLICATION

AXCL THERMIC Fluid can be used in open & closed system in line with respective bulk Oil temperature. Not recommended to be mixed with other oils, as it may weaken the thermal resistance and oxidation stability, which may cause a change in other properties, affecting the Oil's useful life.

- Open systems operating at temperatures up to 200°C
- Closed systems (sealed with cold oil or inert gas) operating at bulk oil temperatures up to 320°C

### BENEFITS & ADVANTAGES

High chemical stability gives long oil life Minimum drag out reduces oil wastage.  
 High quality base stocks resist formation of carbonaceous deposits and give consistent heating.  
 Long oil life and reduced despots give minimum plant maintenance.

### SPECIFICATION & TECHNICAL PARAMETER

#	Test	Method	Result
1.	Appearance	Visual	B&C
2.	Color	ASTM D 1500	L 1.5
3.	Kin. Viscosity @ 40 °C, cSt	ASTM D 445	30.88
4.	Kin. Viscosity @ 100 °C, cSt	ASTM D 445	5.278
5.	Density @ 15 °C	ASTM D 1298	0.875
6.	Viscosity Index	ASTM D 2270	102
7.	Pour Point, °C	ASTM D 97	≤-12
8.	Flash Point, °C	ASTM D 92	≥228
9.	Initial Boiling Point, °C	ASTM D 2892	355
10.	Coefficient of thermal expansion	ASTM D 696	0.00076
11.	Fire point, °C	ASTM D 92	252
12.	Neutralization Number, mg KOH/g	ASTM D 2896	0.05
13.	Auto Ignition Temperature, °C	ASTM E 1491-06	360
14.	Foam Sequence I, II, III	ASTM D 892	0/0

\*Technical data provided here is for reference only. Minor variations in product typical test data are to be expected.

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