

Hot Oil

OGDCL invite bids for the supply of 1,24,800 Liter hot oil in accordance with the terms and conditions specified in the Tender Documents.

1. Scope of Work

The following scope of supply shall be applicable for supply of hot oil.

- 1.1 Supply of hot oil as per quantity mentioned at SOR.
- 1.2 Provide operating guidelines and technical literature for the proper usage of hot oil.
- 1.3 Technical support services throughout the usage of supplied hot oil as per Clause-7 on as and when requirement basis.
- 1.4 Provide details of testing/monitoring parameters required to monitor the performance, quality and operatibility of supplied hot oil.

2. Basis for Selection of Hot Oil

Specifications

The offered hot oil shall follows below listed minimum specifications. For all other specs which has significant effect on hot oil system and operation, the offered brand should follows the specifications of Therminol-66 & Dowtherm RP.

S.No.	Parameters	Requirement
1	Appearance	Clear , pale yellow liquid
2	Composition	Modified terphenyl or compatible for mixing
3	Avg Mol, Wt	252
4	Moisture contents	150 ppm (Max)
5	Flash point COC(ASTM D-92)	184 °C (Min) (363 °F)
6	Fire point	212 °C (Min) (413 °F)
7	Auto ignition temperature	374 °C (Min) (705 °F)
8	Boiling point	359 °C (Min) (678 °F)
9	Maximum film temperature	375 °C (Min) (705 °F)
10	Bulk operating temperature	345 °C (650 °F)
11	Pour Point	-32 °C (-25 °F)
12	Kinematic Viscosity at 40 °C	29.6 mm ² /S (cSt)
13	Kinematic Viscosity at 100 °C	3.80 mm ² /S (cSt)
14	Pumpability at 300 mm ² /S (cSt)	11 °C (52 °F)
15	Liquid Density at 15 °C (ASTM D-4052)	1012 Kg/m ³ (8.44 lb/gal)
16	Liquid Density at 25 °C (ASTM D-4052)	1005 Kg/m ³ (8.40 lb/gal)

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