

**Table 1 Requirement for Heating Oil (LDO)**

( Clause 3.2 )

Sl No.	Characteristics	Requirements	Methods of Test, Part of IS 1448/ASTM D
(1)	(2)	(3)	(4)
i)	Acid number, mg KOH/gm, <i>Max</i>	0.5	Part 2
ii)	Ash, percent by mass, <i>Max</i>	0.02	Part 4/Sec 1
iii)	Carbon residue, on whole samples, percent by mass, <i>Max</i>	1.5	Part 8
iv)	Pour Point, °C, <i>Max</i>		Part 10/Sec 2
	a) Winter [November to February (both months inclusive)],	12	
	b) Summer (rest of the months in a year)	21	
v)	Copper strip corrosion for 3 h at 100 °C	Not worse than No.2	Part 15
vi)	Flash point, Pensky Martens, °C, <i>Min</i>	66.0	Part 21
vii)	Kinematic viscosity at 40 °C, mm <sup>2</sup> /sec	2.5-15.0	Part 25/Sec 1
viii)	Sediment, percent by mass, <i>Max</i>	0.10	Part 30
ix)	Density at 15 °C, Kg/m <sup>3</sup>	To Report	Part 16
x)	Water content, percent by volume, <i>Max</i>	0.25	Part 40
xi)	Total sulphur, percent by mass	0.005 - 1.50 <sup>2)</sup>	ASTM D 4294

NOTES

1 All test methods referred to in this standard include a precision statement. The interpretation of results based on test method/precision shall be used whenever applicable. In case of dispute the procedure described in IS 17315-1/ ISO 4259 -1 and IS 17315-2/ISO 4259-2 shall be used.

2 The purchaser/user shall ensure to comply with the relevant statutory requirements.