



TL NEAT CUTTING OIL 58

Performance Level : IS 1115: 1986

These are premium quality Neat cutting oils blend of solvent-refined mineral oils and specific additive technologies for operational, metal and performance requirements. Neat cutting oils are used in moderate and heavy duty operations in which lubrication is of prime importance. They are used without any water dilution.

Application: This oil is recommended for operational, metal and performance requirements.

Sr. No.	Characteristics	Result
1	Appearance	Light yellow clear fluid
2	Ash, % by mass	1.29
3	Copper strip corrosion test at 100 $^{\circ}\text{C}$ for 3 hrs.	1a
4	Flash Point, COC,	175
5	Water, % by mass	2
6	Emulsion Test, 5:1 & 20:1 ratio in water of 400 ppm hardness (as CaCO ₃)	No oil, No cream
7	Frothing Test 5:1 & 20:1 ratio in 200 ppm hardness (as CaCO ₃)	Passes
8	50:1 ratio with distilled water	-
a)	Cast Iron corrosion test	-
b)	20:1 ratio emulsion with 400 ppm hard water (as CaCO ₃)	0/0-0 (No Corrosion Passed)
9	Thermal Stability Test	Passes
10	K.V. cSt @ 40 $^{\circ}\text{C}$	29 to 38

Note: The above mentioned data are typical and it may vary with batch to batch within Permissible specification limits.