



An ISO 9001:2015 Certified Co.

Product Data Sheet

DC Rust Inhibited Machinery Oil

- ISO Designation: ISO-L-FC
- ISO Viscosity Grades: 2,5,10,15,22,32,46,68,100,150,220,320,460,680
- Performance Standards: ISO 6743-2, ISO 19378, IS 11695
- Usage Guidelines: for general purpose, once through lubrication systems of machine tools, textile mills, paper mills, sugar mills and other allied industrial equipment. These grades are also used in hydraulic/circulation system which frequently require considerable quantity of lubricant top-up.
- Composition: Base Oil Group II, Additives: Anti Corrosion (0.4 to 2%)

Physico-Chemical Properties: DC Rust Inhibited Machinery Oil

S.No.	Characteristics	Test Method	2	5	10	15	22	
1	Kinematic Viscosity @40°C, cSt, range	IS 1448 P:25	1.8 to 2.2	4.5 to 5.5	9 to 11	13.5 to 16.5	19.8 to 24.2	
2	Pour Point, °C, max	IS 1448 P:10	-15	-12	-12	-9	-9	
3	ASTM Colour, max	IS 1448 P:12	0.5	0.5	0.5	0.5	0.5	
4	Flash Point (COC), °C, min	IS 1448 P:69	140	150	160	170	170	
5	Ash, % by mass, max	IS 1448 P:4	← 0.01 →					
6	Total Acidity, mg KOH/g, max	IS 1448 P:2	← 0.10 →					
7	Inorganic Acidity	IS 1448 P:2	← Nil →					
8	Saponification Value, max	IS 1448 P:55	← 1 →					
9	Copper Corrosion, 100°C, 3 hrs	IS 1448 P:15	← 1 →					

Physico-Chemical Properties: DC Rust Inhibited Machinery Oil

S.No.	Characteristics	Test Method	32	46	68	100	150	220	320	460	680
1	Kinematic Viscosity @40°C, cSt, range	IS 1448 P:25	28.8 to 35.2	41.4 to 50.6	61.2 to 74.8	90 to 110	135 to 165	198 to 242	288 to 352	414 to 506	612 to 748
2	Pour Point, °C, max	IS 1448 P:10	-9	-6	-6	-3	-3	-3	-3	-3	0
3	ASTM Colour, max	IS 1448 P:12	0.5	0.5	0.5	1	1	1	1.5	1.5	1.5
4	Flash Point (COC), °C, min	IS 1448 P:69	180	180	180	200	210	220	220	240	250
5	Ash, % by mass, max	IS 1448 P:4	← 0.01 →								
6	Total Acidity, mg KOH/g, max	IS 1448 P:2	0.15	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.20
7	Inorganic Acidity	IS 1448 P:2	← Nil →								
8	Saponification Value, max	IS 1448 P:55	← 1 →								
9	Copper Corrosion, 100°C, 3 hrs	IS 1448 P:15	← 1 →								

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