



An ISO 9001:2015 Certified Co.

## Product Data Sheet

### DC Low Viscosity AW Oil

- ISO Designation: ISO-L-FD
- ISO Viscosity Grades: 2,5,10,15,22
- Performance Standards: ISO 6743-2, ISO 19378
- Usage Guidelines: for applications requiring the use of particularly low viscosity oils, such as fine mechanisms, hydraulic or hydropneumatics mechanisms, electro-magnetic clutches, airline lubricators, spindle bearings and hydrostatic bearings
- Composition: Base Oil Group II, Additives: Anti Corrosion (0.4 to 2%), Anti Oxidants (0.4 to 2%), EP Additives (0.4 to 2%)

Physico-Chemical Properties: DC Low Viscosity AW 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 →				
10	Oxidation test, hours to reach acidity of 2mg KOH/g of oil, min	IS 1448 P:106	← 1000 →				
11	FZG-Niemann EP test, pass load stage, min	DIN 51354	← 10th →				

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