



An ISO 9001:2015 Certified Co.

## Product Data Sheet

### DC Process Gas Compressor Oil

- ISO Designation: ISO-L-DGA
- ISO Viscosity Grades: 32,46,68,100,150
- Performance Standards: ISO 6521-3: 2019, ISO 6743-3: 2003, IS 11159-4: 2011
- Usage Guidelines: for N<sub>2</sub>, H<sub>2</sub>, NH<sub>3</sub>, Ar, CO<sub>2</sub> at pressures below 104 kPa (100 bar). He, SO<sub>2</sub>, H<sub>2</sub>S at all pressures. CO at pressures below 103 kPa (10 bar)
- Composition: Base Oil Group II, Additives: Specially Formulated Compressor Oil Additive Package (0.4 to 4%)

#### Physico-Chemical Properties: Process Gas Compressor Oil

| S.No | Characteristics                            | Test Method  | 32                  | 46                 | 68                 | 100             | 150              |  |
|------|--|--------------|---------------------|--------------------|--------------------|-----------------|------------------|--|
| 1    | Kinematic Viscosity @40°C, cSt, range      |              | 28.8<br>to<br>35.2  | 41.4<br>to<br>50.6 | 61.2<br>to<br>74.8 | 90<br>to<br>110 | 135<br>to<br>165 |  |
|      |  | IS 1448 P:25 |                     |                    |                    |                 |                  |  |
| 2    | Flash Point, Cleveland (open) cup, °C, min | IS 1448 P:69 | 190                 | 190                | 200                | 210             | 220              |  |
| 3    | Pour Point, °C, max                        | IS 1448 P:10 | -9                  | -9                 | -9                 | -6              | -6               |  |
| 4    | ASTM Colour, max                           | IS 1448 P:12 | 0.5                 | 0.5                | 0.5                | 1               | 1                |  |
| 5    | Total Acidity, mg of KOH/g of oil, max     | IS 1448 P:2  | 0.05                | 0.05               | 0.05               | 0.05            | 0.1              |  |
| 6    | Inorganic Acidity, mg of KOH/g of oil      | IS 1448 P:2  | Nil                 | Nil                | Nil                | Nil             | Nil              |  |
| 7    | Ash Content, % by mass, Max                | IS 1448 P:4  | 0.01                | 0.01               | 0.01               | 0.01            | 0                |  |
| 8    | Copper Strip Corrosion, 100°C, 3 hrs       | IS 1448 P:15 | 1                   | 1                  | 1                  | 1               | 1                |  |
| 9    | Water Content                              | IS 4578-A    | passes crackle test |                    |                    |                 |                  |  |

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