

## POWEROIL SAPPHIRE MW H500

**POWEROIL SAPPHIRE MW H500** is high viscosity naphthenic oil formulated from hydrogenated naphthenic base oils. This oil is non staining in nature and posses excellent thermal, oxidation and colour stability.

| Sr. No | Characteristics             | Unit  | Test Method         | Specification |       |
|--------|-----------------------------|-------|---------------------|---------------|-------|
|        |                             |       |                     | Min           | Max   |
| 1      | Appearance                  | -     | Visual              | Clear Liquid  |       |
| 2      | Color, ASTM                 | -     | ASTM D 1500         | -             | 2.0   |
| 3      | Density at 29.5°C           | gm/ml | ASTM D 1298         | 0.900         | 0.920 |
| 4      | Kinematic Viscosity at 40°C | cSt   | ASTM D 445 / D 7042 | 95.00         | 105.0 |
| 5      | Flash Point, (COC)          | ° C   | ASTM D 92           | 200           | -     |
| 6      | Pour Point                  | ° C   | ASTM D 97           | -             | -18   |
| 7      | Aniline Point               | ° C   | ASTM D 611          | 85            | 90    |
| 8      | Sulfur Content              | %     | ASTM D 4294         | -             | 0.05  |
| 9      | Carbon Type Analysis        |       | ASTM D 2140         |               |       |
|        | Aromatic, Ca                | %     |                     | 12 (Typical)  |       |
|        | Paraffinic, Cp              | %     |                     | 49 (Typical)  |       |
|        | Naphthenic, Cn              | %     |                     | 39 (Typical)  |       |

**Applications:** Used in the manufacturing of Cutting fluids, Refrigeration Oil & Greases.