

## Nye Lubricants 868L-MS (FG) Synthetic Oil

Category : Fluid , Lubricant , Polyalphaolefin (PAO) , PTFE Gellant

**Material Notes:**

Information provided by Nye Lubricants.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nye-Lubricants-868L-MS-FG-Synthetic-Oil.php](http://www.lookpolymers.com/polymer_Nye-Lubricants-868L-MS-FG-Synthetic-Oil.php)

| Physical Properties                  | Metric   | English  | Comments                                |
|--------------------------------------|----------|----------|---|
| Viscosity Measurement                | 251      | 251      | Viscosity Index of Base Oil; ASTM D2270 |
| Kinematic Viscosity at 40°C (104°F)  | 2054 cSt | 2054 cSt | Base Oil; ASTM D445                     |
| Kinematic Viscosity at 100°C (212°F) | 253 cSt  | 253 cSt  | Base Oil; ASTM D445                     |
| Evaporation Loss                     | 0.20 %   | 0.20 %   | 24 hrs, 100C; ASTM D972                 |

| Mechanical Properties      | Metric | English | Comments                      |
|----------------------------|--------|---------|-------------------------------|
| Penetration P(0), 1/10 mm  | 303    | 303     | ASTM D217                     |
| Penetration P(60), 1/10 mm | 295    | 295     | ASTM D217                     |
| Oil Separation             | 1.03 % | 1.03 %  | 24 hrs, 100C; FTM 719B, 321.2 |

| Thermal Properties               | Metric   | English  | Comments           |
|----------------------------------|----------|----------|--------------------|
| Maximum Service Temperature, Air | 125 °C   | 257 °F   | Recommended        |
| Minimum Service Temperature, Air | -40.0 °C | -40.0 °F | Recommended        |
| Pour Point                       | -37.0 °C | -34.6 °F | Base Oil; ASTM D97 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Base Fluid Type        | PAO   |          |
| Gellant Type           | PTFE  |          |

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