

HyGold L600

Naphthenic Base Oil Marketing Specification

This severely hydrotreated naphthenic base oil is primarily used in the metalworking and compounder blending industries. It has a low pour point, a low odor level, excellent color, and resistance to discoloration by heat or ultraviolet light.

| TEST DESCRIPTION | TEST METHOD | SPECIFICATIONS | | TYPICAL VALUES |
|--------------------------------------|-------------|----------------|----------|----------------|
| | | MIN | MAX | |
| Physical Properties | | | | |
| Viscosity, SUS at 100°F (37.8°C) | ASTM D2161 | 575 | 650 | 626 |
| Viscosity, SUS at 210°F (98.9°C) | ASTM D2161 | | | 57.6 |
| Viscosity, cSt at 40°C (104°F) | ASTM D445 | 108 | 121.1 | 117.0 |
| Viscosity, cSt at 100°C (212°F) | ASTM D445 | | | 9.2 |
| API Gravity, 60°F (15.6°C) | ASTM D1250 | | | 22.9 |
| Specific Gravity, 60°F (15.6°C) | ASTM D4052 | | | 0.9164 |
| Viscosity-Gravity Constant | ASTM D2501 | | | 0.856 |
| Density, lbs/gal at 60°F | ASTM D1250 | | | 7.632 |
| Density at 15.6°C, g/cm ³ | ASTM D1250 | | | 0.9145 |
| Molecular Weight | ASTM D2502 | | | 394 |
| Flash Point, COC, °F (°C) | ASTM D92 | 414 (212) | | 437 (225) |
| Flash Point, PMCC, °F (°C) | ASTM D93 | 392 (200) | | 402 (206) |
| Color, ASTM | ASTM D6045 | | 2.0 | L0.5 |
| Pour Point, °F (°C) | ASTM D5949 | | 15 (-9) | -22 (-30) |
| Water Content | ASTM D7546M | PASS | | PASS |
| Appearance | ASTM D4176M | PASS | | PASS |
| Chemical Properties | | | | |
| Acid Number, mg KOH/g | ASTM D664 | | 0.05 | 0.01 |
| Aniline Point, °F (°C) | ASTM D611 | 190 (88) | 205 (96) | 195 (91) |
| Sulfur, ppm | ASTM D4294 | | | 270 |
| Health and Safety Properties | | | | |
| Polycyclic Aromatic Compounds, wt% | IP 346 | | 3 | <3 |
| Modified Ames Assay, MI | ASTM E1687 | | 1 | <1 |

HyGold L600 is a product of Ergon Refining, Inc.
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