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**PRODUCT DATA SHEET**

# HYNAP®

## HYDROTREATED NAPHTHENIC PETROLEUM OILS

(CAS No. 64742-53-6)

| Property | ASTM Method | Typical Data N40HT | N60HT | N100HTS | 4000 |
|---|---|---|---|---|---|
| Viscosity, SUS @ 100F | D2161 | 40.8 | 60.2 | 109 | 4140 |
| Viscosity, SUS @ 210F | D2161 | 31.2 | 34.0 | 38.4 | 99 |
| Viscosity, cSt @ 40C | D445 | 4.28 | 9.63 | 20.50 | 723 |
| Viscosity, cSt @ 100C | D445 | 1.53 | 2.31 | 3.58 | 19.27 |
| API Gravity | D287 | 29.7 | 28.0 | 26.0 | 15.7 |
| Specific Gravity @ 60F | D1250 | 0.8778 | 0.8871 | 0.8984 | 0.9613 |
| Density, lb/gal @ 60F | D1250 | 7.309 | 7.387 | 7.481 | 8.005 |
| Color | D1500 | L0.5 | L0.5 | L0.5 | L5.0 |
| Flash, COC, F | D92 | 260 | 300 | 345 | 455 |
| Pour Point, F | D97 | <-60 | -50 | -30 | 40 |
| Aniline Point, F | D611 | 153 | 167 | 176 | 148 |
| Refractive Index @ 20C | D1218 | 1.4821 | 1.4819 | 1.4883 | 1.5332 |
| Refractivity Intercept | D2140 | 1.0446 | 1.0398 | 1.0405 | 1.054 |
| Viscosity-Gravity Constant | D2501 | 0.868 | 0.860 | 0.858 | 0.897 |
| Neut. No., mg KOH/g | D974 | <0.05 | <0.05 | <0.05 | 0.12 |
| Sulfur, w% | D2622 | <0.003 | <0.003 | <0.003 | 0.1 |
| Aromatic Content, w% | D5186 | 9.5 | 14.8 | 16.5 | -- |
| Carbon-Type Analysis, % | D2140 | | | | |
| Ca | | 12 | 4 | 4 | 25 |
| Cn | | 44 | 54 | 52 | 37 |
| Cp | | 44 | 42 | 44 | 38 |
| Distillation, F | D86 | | | | |
| IBP | | 485 | 559 | 619 | |
| 5v% | | 500 | 572 | 626 | |
| 10v% | | 505 | 576 | 629 | |
| 50v% | | 526 | 605 | 651 | |
| 90v% | | 555 | 646 | 706 | |
| EP | | 588 | 670 | 744 | |

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