

Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of May 13, 2002.

SYNTHETIC HYDRAULIC

HYSYN SERIES

Summit HySyn ashless hydraulic oils are formulated from the highest quality synthetic hydrocarbons to meet the requirements of all types of hydraulic systems. HySyn oils are rust and oxidation inhibited to protect against rust, wear and the formation of sludge. They are compatible with seal materials normally used in hydraulic systems.

Summit HySyn ashless hydraulic oils contain additives necessary to meet requirements for Denison HF-O, Vickers industrial and mobile applications and Cincinnati Milacron P-68, P-69 and P-70 specifications.

Physical Properties

| HYSYN SERIES | 15 | 32 | 46 | 68 | 100 |
|-------------------------|--------------|--------------|--------------|--------------|---------------|
| ISO Grade | 15 | 32 | 46 | 68 | 100 |
| Specific Gravity | 0.8195 | 0.852 | 0.856 | 0.863 | 0.868 |
| Viscosity | | | | | |
| @ 40°C, cSt | 15.5 | 32.0 | 43.5 | 64.1 | 95.0 |
| @ 100°C, cSt | 3.63 | 5.80 | 7.25 | 9.60 | 12.7 |
| @ 100°F, SUS | 84.6 | 163 | 223 | 329 | 491 |
| @ 210°F, SUS | 38.5 | 45.7 | 50.4 | 58.7 | 70.6 |
| Viscosity Index | 118 | 125 | 128 | 131 | 130 |
| Flash Point, °F (°C) | 405 (207) | 465 (241) | 470 (243) | 480 (249) | 490 (254) |
| Fire Point, °F (°C) | 430 (221) | 495 (257) | 505 (263) | 515 (268) | 525 (274) |
| Pour Point, °F (°C) | -85 (-65) | -60 (-51) | -55 (-48) | -40 (-40) | - 30 (-34) |

| | | |
|--------------------------|-------------|-------|
| Percent By Weight | Phosphorous | 0.053 |
| | Sulfur | 0.111 |
| | Nitrogen | 0.018 |