



# CITGO<sup>®</sup> Procoil<sup>®</sup> Oils

## OVERVIEW



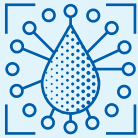
- Highly refined, light-colored, very low sulfur, paraffinic process oils.

## FEATURES & BENEFITS



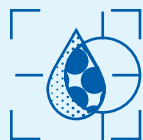
- Low volatility, low aromaticity and high flash points.
- Very light color and excellent antioxidant response.
- High viscosity index for relatively low rate of viscosity change with changes in temperature.

## APPLICATIONS



- Recommended as carriers, diluent oils, processing aids, or functional oils in a wide range of formulations and chemical processes where superior stability, high flash, low pour, and low volatility are desired.

## PROPERTIES



## Typical Properties for CITGO Procoil Oils:

|                                  | 910              | 915              | 920              | 935              | 950              |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|
| <b>Material Code</b>             | <b>627910001</b> | <b>627915001</b> | <b>627920001</b> | <b>627935001</b> | <b>627950001</b> |
| Gravity, ASTM D4052, °API        | 34.7             | 32.9             | 32.0             | 31.4             | 30.5             |
| Specific Gravity, 60/60°F        | 0.852            | 0.861            | 0.866            | 0.870            | 0.873            |
| Density, lb/gal at 60°F          | 7.09             | 7.17             | 7.21             | 7.23             | 7.27             |
| Flash Point, ASTM D92, °F (°C)   | 400 (205)        | 415 (214)        | 455 (235)        | 440 (227)        | 510 (265)        |
| Viscosity, ASTM D2161            |                  |                  |                  |                  |                  |
| SUS at 100°F                     | 100              | 156              | 198              | 303              | 500              |
| SUS at 210°F                     | 40.1             | 43.9             | 47.3             | 54.9             | 65.7             |
| Viscosity, ASTM D445             |                  |                  |                  |                  |                  |
| cSt at 40°C                      | 20.4             | 33.0             | 42.3             | 65.2             | 108              |
| cSt at 100°C                     | 4.15             | 5.55             | 6.45             | 8.74             | 11.8             |
| Viscosity Index, ASTM D2270      | 106              | 107              | 102              | 107              | 97               |
| Aniline Point, ASTM D611, °F(°C) | 227 (108)        | 221 (105)        | 227 (108)        | 231 (111)        | 245 (118)        |
| Carbon Residue, ASTM D4530       | 0.01             | 0.01             | 0.02             | 0.02             | 0.03             |
| Total Acid Number, ASTM D664     | 0.05             | 0.05             | 0.05             | 0.05             | 0.05             |
| Pour Point, ASTM D97, °F (°C)    | 5 (-15)          | 5 (-15)          | 0 (-18)          | 5 (-15)          | 10 (-12)         |
| Color, ASTM D1500                | L0.5             | L0.5             | L0.5             | L0.5             | L0.5             |
| Molecular Weight, ASTM D2502     | 370              | 410              | 440              | 477              | 535              |
| Sulfur, ASTM D2622, wt%          | 0.002            | 0.002            | 0.001            | 0.002            | 0.002            |

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