

## WT OIL - API: CH-4/SJ SYNTHETIC

### DESCRIPTION:

WT Oil CH-4/SJ combines a high quality synthetic base stock with a proprietary, balanced additive system having a combination of metallic detergents, dispersants and multi-purpose inhibitors. This oil assures superior control of oil thickening caused by soot buildup and high temperature oxidation. It also provides outstanding resistance to varnish deposits and corrosion.

### APPLICATION:

These heavy-duty engine oils are recommended for all types of diesel and gasoline engines where the manufacturer specifies the API service CH-4/SJ. They are especially suited for use in low temperature environments where extreme pumpability properties are required. These Oils are also suitable for on-road and off-road applications, including equipment that are exposed to extreme low temperature operations. This oil is suitable for use in moderate to high Sulphur content fuel.

### FEATURES & BENEFITS:

- Improved oxidation stability to minimize deposit formation
- Higher TBN to extend protection from acids caused by combustion
- Better protection against valve train wear
- Improved low temperature performance
- Potential fuel economy improvement compared to conventional CH-4 heavy duty engine oils

### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CH-4/SJ
- MAN 3275
- VOLVO VDS-2
- MTU Type 2
- Mack EO-M/EO-L
- DFS 93K215
- DTFR 15B110
- ACEA E7, A3/B3/B4
- Renault RLD-2
- JASO DH1
- Cummins CES 20076
- DQC III-10

### TYPICAL PERFORMANCE:

| PARAMETERS                         | ASTM   | UNIT     | WT OIL CH-4/SJ (FULLY SYNTHETIC) |               |               |               |
|------------------------------------|--------|----------|----------------------------------|---------------|---------------|---------------|
| SAE Grade                          |        |          | 0W-30                            | 0W-40         | 5W-30         | 5W-40         |
| Kinematic Viscosity @ 104°F /40°C  | D-7042 | cSt      | 68.55                            | 90.05         | 68.85         | 91.65         |
| Kinematic Viscosity @ 212°F /100°C | D-7042 | cSt      | 12.1                             | 15.3          | 11.9          | 15            |
| Viscosity Index                    | D-2270 | -        | 176                              | 181           | 171           | 173           |
| SP. Gravity @15°C/ 60°F            | D-4052 | g/cm3    | 0.846                            | 0.846         | 0.858         | 0.859         |
| Flash Point (min)                  | D-92   | °C       | 234                              | 230           | 234           | 232           |
| Pour Point (max)                   | D-97   | °C       | -42                              | -42           | -42           | -42           |
| TBN                                | D-2896 | Mg KOH/g | 10.5                             | 10.5          | 10.5          | 10.5          |
| CCS, (°C)                          | D-5293 | m.Pa.S   | <6200 (-35°C)                    | <6200 (-35°C) | <6600 (-30°C) | <6600 (-30°C) |