FANPRO

# Oil Test List

# Oil Test List

Modifications to ASTM standard methods are developed and validated.

## Reasons for modification include:

- Minimization of required sample and supplies
- Use of modern automated equipment
- Less variation in sample preparation and testing.

The modifications reduce costs and in most cases improve throughput, which results in lower sample pricing and faster turnaround time for our customers.

| Name of Test | Standard Test Method Used | Units of Measure | Sample Required |
|---|---|---|---|
| Acid Number | mod. ASTM D664 | mg KOH/g | 4 g |
| Base Number | mod. ASTM D4739 | mg KOH/g | 4 g |
| Elemental Metals Analysis(24 by ICP) | mod. ASTM D5185 | ppm | 2 mL |
| Fuel Dilution % | GC | % | 40 mL |
| Fuel Soot % | ASTM E2412 | % | 40 mL |
| Glycol (pos/neg) | mod. ASTM D2982 | pos/neg | 8 mL |
| Nitration | ASTM E2412 | abs/0.1mm | 40 mL |
| Oxidation | ASTM E2412 | abs/cm | |
| Particle Count | Pore Blockage | counts/mL | 80 mL |
| Particle Count (Calibration 11171) | mod. ISO 11500 | counts/mL | 80 mL |
| Particle Quantiier (Ferrous Density) | Manufacturer | MFR Units | 4 mL |
| pH Oils | mod. ASTM D664 | pH | 4 g |
| Viscosity @ 40° or 100° C | mod. ASTM D445 | centistokes | 2 mL |
| Viscosity Index (includes Vis @ 40° & 100°C) | ASTM D2270 | no units | 4 mL |
| Water by Crackle (estimate) | POLARIS Method | % | 2 mL |
| Water by Karl Fischer in % or PPM | mod. ASTM D1744 | % or ppm | 10 mL |
| Water by Karl Fischer in PPM - Coulometric | ASTM D6304 | % or ppm | 10 mL |
| Water by Karl Fischer (% or ppm) | mod. ASTM D1744 | % or ppm | 10 mL |
| Water by Karl Fischer in PPM - Coulometric | ASTM D6304 | % or ppm | 10 mL |