



Finnexx Taxxan TX Oils

Heavy Duty Multigrade Diesel Engine Oils

PRODUCT DESCRIPTION

Finnexx Taxxan TX Oils SAE 15W-40 and 20W50 are premium performance, multigrade, heavy-duty diesel engine oils specifically designed to lubricate a wide range of diesel and gasoline engines requiring API CI-4, SL, ACEA E7 or JASO DH-1 performance lubricants operating under the most severe service conditions. Specifically designed for the latest electronically controlled diesel engines, including those fitted with EGR and/or SCR systems, experiencing high soot loading. Formulated with highly refined base oils and the latest additive technology to provide exceptional soot dispersancy, deposit control and wear protection.

CUSTOMER BENEFITS

- **Minimizes fleet maintenance costs**
Exceptional soot dispersancy keeps fuel soot in suspension, avoiding filter plugging, cylinder head sludge, abrasive polishing wear and oil thickening.
- **Minimizes fleet operating costs**
Excellent deposit control on valves and piston crown lands reduces oil consumption. Exceptional oxidation stability and soot control extends oil drain capability so that equipment is in service longer generating revenue. Outstanding valve train wear protection maintains fuel economy.
- **Extends engine life to overhaul**
High level of anti-wear additive protects against valve train wear and scuffing of highly loaded parts operating under boundary lubrication conditions.
- **Reduces inventory costs**
"Universal" formulation provides excellent overall performance in mixed fleets of different engine designs, (including modern electronically controlled/low emission diesel engines) allowing one oil for all services and reducing the chance of problems arising through product misapplication.

APPLICATIONS

- Mixed fleets of European, North American and/or Japanese diesel engines (high speed, four-stroke, turbocharged or naturally aspirated)
- Mixed fleets of both diesel and gasoline engines
- Mixed fleets including both old and new equipment
- Commercial road transport, including the latest electronic controlled engines and those designed to meet Euro 3 emissions standards.



- Also for Euro 4 compliant vehicles, except those units fitted with diesel particulate filters and requiring ACEA E6 or ACEA E9 oils
- For the latest diesel engines, including those fitted with EGR and/or SCR systems, experiencing high soot loading.
- Stop-and-go vehicles in high soot loading service such as buses and waste collection trucks
- Off-highway vehicles and plants
- Agricultural tractors and farm machinery
- Generator sets
- Mobile hydraulic systems (where oil type and viscosity are appropriate)

PERFORMANCE

| | |
|-------------|--|
| API | CI-4, CH-4, CG-4, CF, CD SL, SJ, SH |
| ACEA | E7-08, E5-02, E3-96#4 |
| EMA Global | DHD-1 |
| JASO | DH-1 |
| US Military | MIL-L-2104F |
| Caterpillar | ECF-2, ECF 1a |
| Cummins | CES 20078, 20077, 20076, 20072 |
| Daimler | MB 228.3 |
| Mack | EO-N Premium Plus, EO-M Plus, EO-M |
| MAN | M 3275-1 |
| MWM Deutz | DQC-III-10 |
| Renault | RLD-2, RLD |
| Volvo | VDS-3, VDS-2 |

TYPICAL TEST DATA

| Characteristic | Test methods | SAE 15W-40 | SAE 20W-50 |
|---|--------------|------------|------------|
| Density at 15°C, kg/l | ASTM D4052 | 0.88 | 0.89 |
| Kinematic viscosity at 100 °C, mm ² /s | ASTM D445 | 15.1 | 19.0 |
| Cranking viscosity at -15°C, mPa.s | ASTM D5293 | | 8400 |
| Cranking viscosity at -20°C, mPa.s | ASTM D5293 | 6400 | |
| Pour Point, °C | ASTM D97 | -35 | -30 |
| Flash Point | ASTM D92 | 222 | 232 |
| Total Base Number, mg KOH/g | ASTM 2896 | 10.5 | 10.5 |
| Viscosity Index | ASTM D2270 | 136 | 129 |
| Sulphated Ash, %wt | ASTM D874 | 1.392 | 1.419 |
| Elemental Analysis | | | |
| Zinc, %wt | X-Ray/ICP | 0.121 | 0.121 |
| Calcium, %wt | X-Ray/ICP | 0.368 | 0.368 |
| Phosphorus, %wt | X-Ray/ICP | 0.111 | 0.111 |



| | | | |
|----------------|------------|-------|-------|
| Boron, %wt | ICP | 0.021 | 0.021 |
| Magnesium, %wt | X-Ray/ICP | 0.047 | 0.047 |
| Sulphur, %wt | X-Ray | 0.32 | 0.32 |
| Nitrogen, %wt | ASTM D5762 | 0.084 | 0.084 |

Health & Safety Note – Always maintain good levels of personal hygiene when handling engine oils. Wash hands and skin areas where contact has occurred and avoid ingestion. See applicable Material Safety data Sheet for further information.