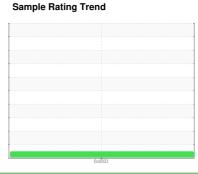


OIL ANALYSIS REPORT

DT



NORMAL



NX4099-L05

Component

Gasoline Engine

SUPER TECH 5W20 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | Oct2022 | | |
|---------------|----------|-------------|------------|-------------|-----------|-----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history 1 | history 2 |
| Sample Number | | Client Info | | WC0751510 | | |
| Sample Date | | Client Info | | 19 Oct 2022 | | |
| Machine Age | kms | Client Info | | 57395 | | |
| Oil Age | kms | Client Info | | 42146 | | |
| Oil Changed | | Client Info | | Not Changd | | |
| Sample Status | | | | NORMAL | | |
| CONTAMINATION | ١ | method | limit/base | current | history 1 | history 2 |
| Glycol | | WC Method | | NEG | | |
| WEAR METALS | | method | limit/base | current | history 1 | history 2 |
| Iron | ppm | ASTM D5185m | >150 | 24 | | |
| Chromium | ppm | ASTM D5185m | >20 | <1 | | |
| Nickel | ppm | ASTM D5185m | >5 | 3 | | |
| Titanium | ppm | ASTM D5185m | | 6 | | |
| Silver | ppm | ASTM D5185m | >2 | 0 | | |
| Aluminum | ppm | ASTM D5185m | >40 | 8 | | |
| Lead | ppm | ASTM D5185m | >50 | <1 | | |
| Copper | ppm | ASTM D5185m | >155 | 10 | | |
| Tin | ppm | ASTM D5185m | >10 | <1 | | |
| Vanadium | ppm | ASTM D5185m | | <1 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history 1 | history 2 |
| Boron | ppm | ASTM D5185m | | 38 | | |
| Barium | ppm | ASTM D5185m | | 0 | | |
| Molybdenum | ppm | ASTM D5185m | | 100 | | |
| Manganese | ppm | ASTM D5185m | | 1 | | |
| Magnesium | ppm | ASTM D5185m | | 493 | | |
| Calcium | ppm | ASTM D5185m | | 1362 | | |
| Phosphorus | ppm | ASTM D5185m | | 726 | | |
| Zinc | ppm | ASTM D5185m | | 925 | | |
| Sulfur | ppm | ASTM D5185m | | 3834 | | |
| CONTAMINANTS | | method | limit/base | current | history 1 | history 2 |
| Silicon | ppm | ASTM D5185m | >30 | 48 | | |
| Sodium | ppm | ASTM D5185m | >400 | 4 | | |
| Potassium | ppm | ASTM D5185m | >20 | 2 | | |
| Fuel | % | ASTM D3524 | >4.0 | 1.4 | | |
| Water | % | ASTM D6304 | >0.2 | 0.053 | | |
| ppm Water | ppm | ASTM D6304 | >2000 | 532.6 | | |
| INFRA-RED | | method | limit/base | current | history 1 | history 2 |
| Soot % | % | *ASTM D7844 | | 0.1 | | |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 13.4 | | |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 31.6 | | |



OIL ANALYSIS REPORT





Lab Number Unique Number

: 05710528

Diagnosed : 13 Dec 2022 Diagnostician : Jonathan Hester

PLYMOUTH, MI US 48170-2438

: 10245103 Test Package : MOB 2 (Additional Tests: FUELDILUTION, KF, KV40, PercentFuel, TBN, VI) Contact: Service Manager Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: F: