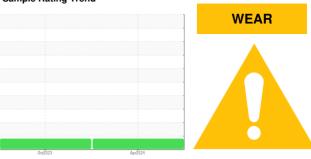


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 412

Diesel Engine

PRIMROSE 790 Syn-O-Gen 8 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

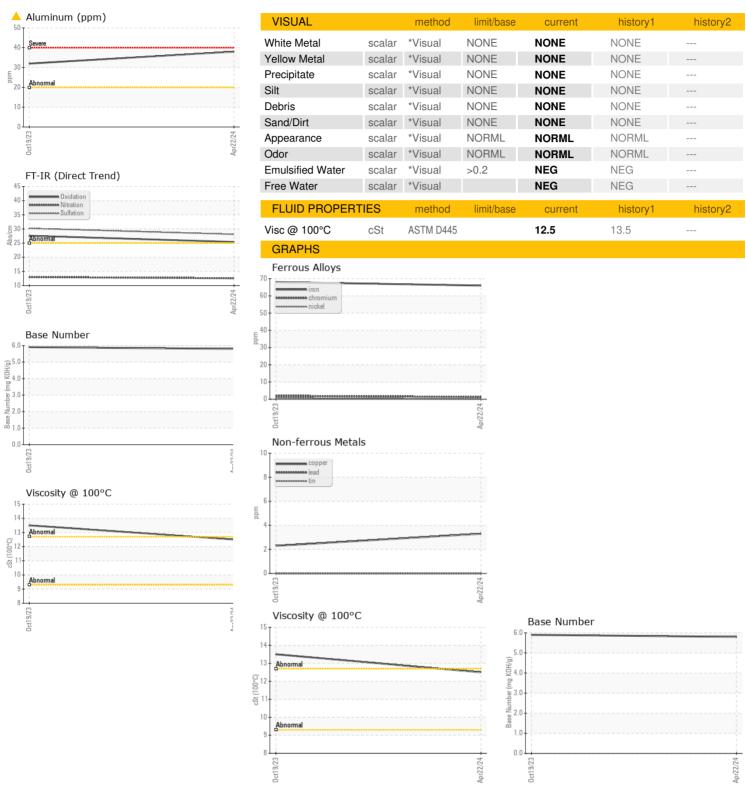
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

| | | L | 0ct2023 | Apr2024 | | |
|------------------|----------|-------------|------------|-------------|-------------|----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | WC0925559 | WC0584574 | |
| Sample Date | | Client Info | | 22 Apr 2024 | 19 Oct 2023 | |
| Machine Age | mls | Client Info | | 172740 | 160382 | |
| Oil Age | mls | Client Info | | 12000 | 12174 | |
| Oil Changed | | Client Info | | Changed | Changed | |
| Sample Status | | | | ABNORMAL | ABNORMAL | |
| CONTAMINATION | ١ | method | limit/base | current | history1 | history2 |
| Fuel | | WC Method | >3.0 | <1.0 | <1.0 | |
| Water | | WC Method | >0.2 | NEG | NEG | |
| Glycol | | WC Method | | NEG | NEG | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >90 | 66 | 68 | |
| Chromium | ppm | ASTM D5185m | >20 | 1 | 2 | |
| Nickel | ppm | ASTM D5185m | >2 | 0 | <1 | |
| Titanium | ppm | ASTM D5185m | >2 | 0 | <1 | |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | |
| Aluminum | ppm | ASTM D5185m | >20 | △ 38 | △ 32 | |
| Lead | ppm | ASTM D5185m | >40 | 0 | 0 | |
| Copper | ppm | ASTM D5185m | >330 | 3 | 2 | |
| Tin | ppm | ASTM D5185m | >15 | 0 | 0 | |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | |
| Cadmium | ppm | ASTM D5185m | | 0 | <1 | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 114 | 78 | |
| Barium | ppm | ASTM D5185m | | 0 | 3 | |
| Molybdenum | ppm | ASTM D5185m | | 86 | 96 | |
| Manganese | ppm | ASTM D5185m | | 1 | <1 | |
| Magnesium | ppm | ASTM D5185m | | 432 | 428 | |
| Calcium | ppm | ASTM D5185m | | 1421 | 1437 | |
| Phosphorus | ppm | ASTM D5185m | | 1024 | 1038 | |
| Zinc | ppm | ASTM D5185m | | 1214 | 1269 | |
| Sulfur | ppm | ASTM D5185m | | 3617 | 3437 | |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 21 | 23 | |
| Sodium | ppm | ASTM D5185m | | 2 | 1 | |
| Potassium | ppm | ASTM D5185m | >20 | 6 | 15 | |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | >6 | 1 | 1.2 | |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 12.6 | 13.0 | |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 28.1 | 30.2 | |
| FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 25.4 | 27.6 | |
| Base Number (BN) | mg KOH/g | ASTM D2896 | | 5.8 | 5.9 | |
| | | | | | | |



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0925559 Lab Number : 06158803 Unique Number : 10994226 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 24 Apr 2024 Tested Diagnosed

: 25 Apr 2024 : 25 Apr 2024 - Sean Felton

1324 E CUMBERLAND AVE MIDDLESBORO, KY US 40965 Contact: TIM GOINS

MIDDLESBORO COCA-COLA BOTTLING - MCCB

tgoins@mccbw.com T: (606)248-0362

F: (606)248-1382

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)