

OIL ANALYSIS REPORT

Sample Rating Trend

prioriz Augylozi Ocdolizi Augylozi 30/2022 Ocdolizi Janiforii Maylozii Saylozii

NORMAL



ALBERT LEA Machine Id Unit 05 DB010105E

Component

Natural Gas Engine

PETRO CANADA DURON MONOGRADE HD 40W (350 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: 72 gallons of lube oil added this month.)

Wear

All component wear rates are normal.

Contamination

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

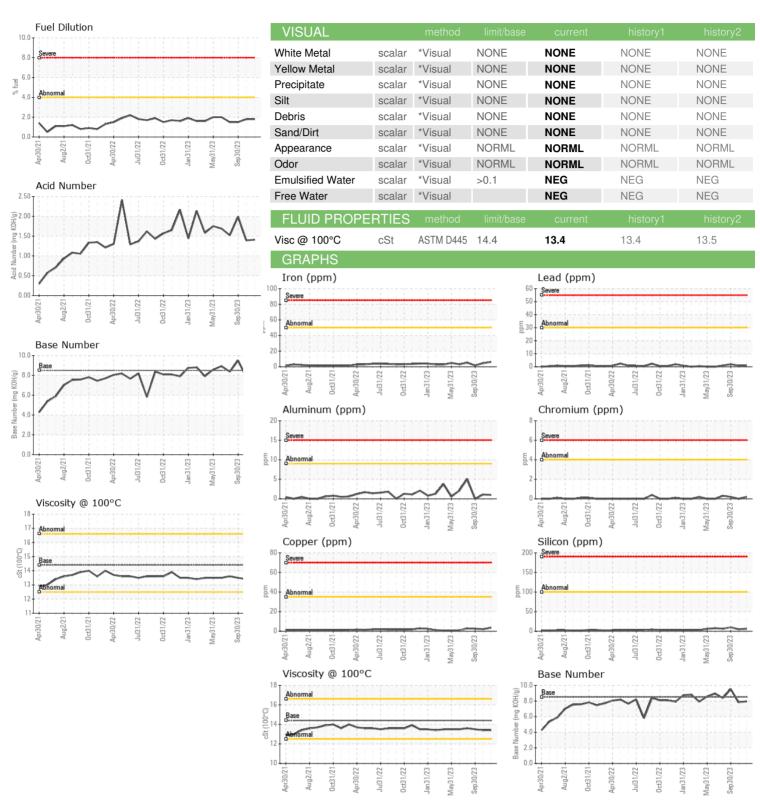
Fluid Condition

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.

| D 40W (350 GAL | .) | pr2021 Aug20 | 21 Oct2021 Apr2022 Jul | 2022 Oct2022 Jan2023 May2023 | Sep2023 | |
|------------------|----------|--------------|------------------------|------------------------------|-------------|-------------|
| SAMPLE INFORI | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | PCA0106485 | PCA0106483 | PCA0106481 |
| Sample Date | | Client Info | | 29 Nov 2023 | 31 Oct 2023 | 30 Sep 2023 |
| Machine Age | hrs | Client Info | | 1052 | 747 | 469 |
| Oil Age | hrs | Client Info | | 1052 | 747 | 469 |
| Oil Changed | | Client Info | | Oil Added | Oil Added | Oil Added |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| WEAR METAL | S | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >50 | 6 | 4 | 2 |
| Chromium | ppm | ASTM D5185m | >4 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >9 | 1 | 1 | 0 |
| Lead | ppm | ASTM D5185m | >30 | <1 | <1 | 2 |
| Copper | ppm | ASTM D5185m | >35 | 4 | 2 | 3 |
| Tin | ppm | ASTM D5185m | >4 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | <1 | 1 | 2 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 2 | <1 | 2 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 937 | 927 | 910 |
| Calcium | ppm | ASTM D5185m | | 990 | 979 | 1002 |
| Phosphorus | ppm | ASTM D5185m | | 1075 | 1133 | 1141 |
| Zinc | ppm | ASTM D5185m | | 1327 | 1310 | 1352 |
| Sulfur | ppm | ASTM D5185m | | 3308 | 2988 | 3395 |
| CONTAMINAN | TS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >+100 | 6 | 5 | 10 |
| Sodium | ppm | ASTM D5185m | | 2 | <1 | 0 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | 2 |
| Fuel | % | ASTM D3524 | >4.0 | 1.8 | 1.8 | 1.5 |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | | 0.1 | 0 | 0 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 3.8 | 3.7 | 3.4 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 12.8 | 12.7 | 12.0 |
| FLUID DEGRA | OATION | method | limit/base | current | history1 | history2 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 6.6 | 6.4 | 6.0 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 1.41 | 1.39 | 1.99 |
| Base Number (BN) | mg KOH/g | ASTM D2896 | 8.5 | 7.95 | 7.83 | 9.50 |
| | | | | | | |



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: 06030847 : 10780638

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 11 Dec 2023 : PCA0106485 Recieved Diagnosed

: 19 Dec 2023 Diagnostician : Jonathan Hester

Test Package: MOB 2 (Additional Tests: FuelDilution, PercentFuel) 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)

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