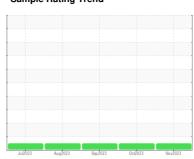


OIL ANALYSIS REPORT

Sample Rating Trend







MRC-323

Component

Natural Gas Engine

NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | Jul2023 | Aug2023 | Sep2023 Oct2023 | Nov2023 | |
|----------------------|----------|---------------|------------|-----------------|-------------|-------------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | TO60001750 | TO60001673 | TO60001436 |
| Sample Date | | Client Info | | 05 Nov 2023 | 12 Oct 2023 | 05 Sep 2023 |
| Machine Age | hrs | Client Info | | 4007 | 3509 | 2209 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >50 | 2 | 4 | 4 |
| Chromium | ppm | ASTM D5185m | >4 | 0 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >9 | <1 | <1 | <1 |
| Lead | ppm | ASTM D5185m | >30 | 5 | 5 | 0 |
| Copper | ppm | ASTM D5185m | >35 | 1 | 2 | <1 |
| Tin | ppm | ASTM D5185m | >4 | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 86 | 99 | 105 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | | 10 | 10 | 13 |
| Calcium | ppm | ASTM D5185m | | 1247 | 1371 | 1370 |
| Phosphorus | ppm | ASTM D5185m | | 194 | 283 | 277 |
| Zinc | ppm | ASTM D5185m | | 287 | 311 | 302 |
| Sulfur | ppm | ASTM D5185m | | 1204 | 971 | 1246 |
| CONTAMINANTS | ; | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >+100 | 2 | 2 | 2 |
| Sodium | ppm | ASTM D5185m | | 2 | <1 | 3 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | 1 |
| INFRA-RED | | method | limit/base | current | history1 | history2 |
| Soot % | % | *ASTM D7844 | | 0 | 0 | 0 |
| Nitration | Abs/cm | *ASTM D7624 | >20 | 10.1 | 10.5 | 11.0 |
| Sulfation | Abs/.1mm | *ASTM D7415 | >30 | 17.0 | 17.1 | 19.0 |
| FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| Oxidation | Abs/.1mm | *ASTM D7414 | >25 | 15.6 | 17.0 | 16.4 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 1.17 | 1.38 | 1.22 |
| Dana Maria Iana (DM) | | A OTA A DOGGO | | 0.00 | 0.00 | 0.74 |

Base Number (BN) mg KOH/g ASTM D2896

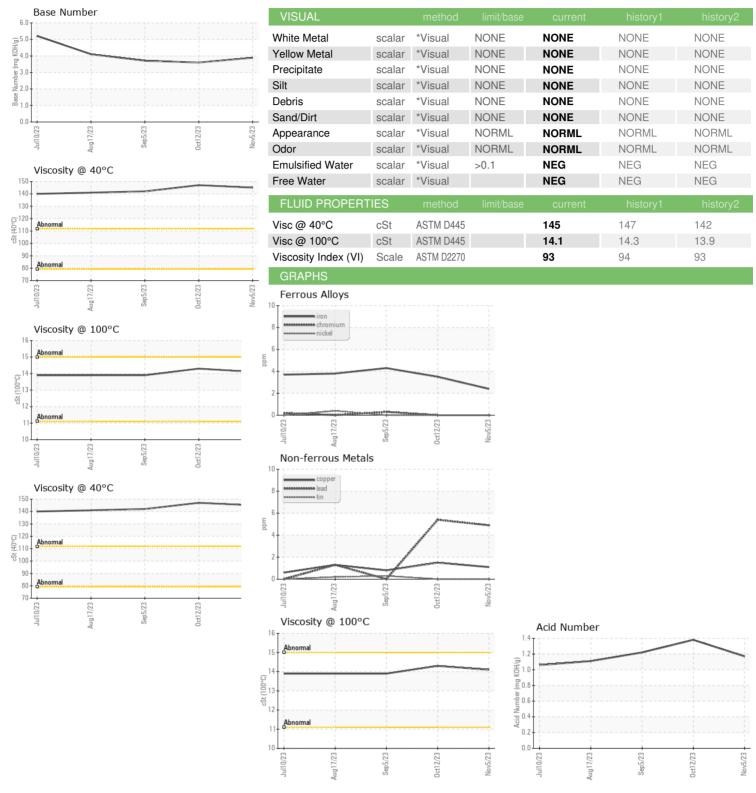
3.60

3.89

3.71



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: TO60001750 : 06008533

: 10742295

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Nov 2023 Diagnosed : 17 Nov 2023 Diagnostician : Wes Davis

Test Package : IND 2 (Additional Tests: FT-IR, KV40, VI)

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.

Contact: HERMAN GARZA herman garza@eogresources.com

MIDLAND - EOG RESOURCES INC.

5509 CHAMPIONS DRIVE

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

F:

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