

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

1 PRESS HPU (S/N 420-242)

Hydraulic System Fluid MOBIL DTE 10 EXCEL 68 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

MPC (Membrane Patch Colorimetry) test indicates acceptable levels of varnish present. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

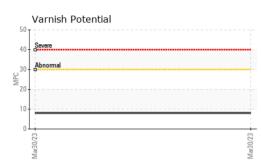
Fluid Condition

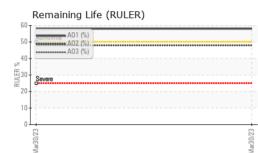
Linear Sweep Voltammetry (RULER – ASTM D6971) testing indicates normal levels of antioxidants present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

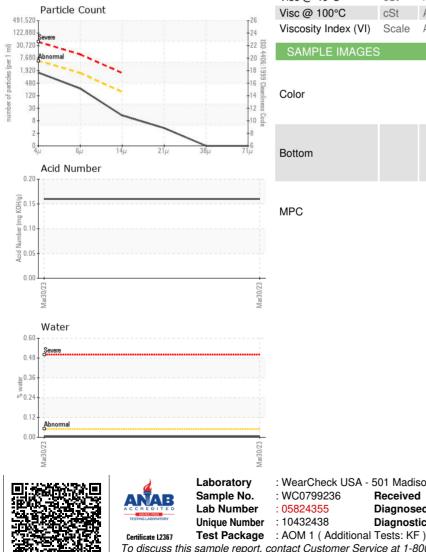
| | | | | Mar2023 | | |
|-----------------|---------------|--------------|------------|-------------|----------|----------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | WC0799236 | | |
| Sample Date | | Client Info | | 30 Mar 2023 | | |
| Machine Age | days | Client Info | | 0 | | |
| Oil Age | days | Client Info | | 0 | | |
| Oil Changed | | Client Info | | N/A | | |
| Sample Status | | | | NORMAL | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >20 | 4 | | |
| Chromium | ppm | ASTM D5185m | >20 | 0 | | |
| Nickel | ppm | ASTM D5185m | >20 | 0 | | |
| Titanium | ppm | ASTM D5185m | | 0 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | >20 | 0 | | |
| Lead | ppm | ASTM D5185m | >20 | <1 | | |
| Copper | ppm | ASTM D5185m | >20 | <1 | | |
| Tin | ppm | ASTM D5185m | >20 | 0 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | | |
| Barium | ppm | ASTM D5185m | | 0 | | |
| Molybdenum | ppm | ASTM D5185m | | 0 | | |
| Manganese | ppm | ASTM D5185m | | 0 | | |
| Magnesium | ppm | ASTM D5185m | | 1 | | |
| Calcium | ppm | ASTM D5185m | | 108 | | |
| Phosphorus | ppm | ASTM D5185m | | 307 | | |
| Zinc | ppm | ASTM D5185m | | 6 | | |
| Sulfur | ppm | ASTM D5185m | | 1090 | | |
| CONTAMINANTS | ; | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >15 | <1 | | |
| Sodium | ppm | ASTM D5185m | | 0 | | |
| Potassium | ppm | ASTM D5185m | | <1 | | |
| Water | % | ASTM D6304 | >0.05 | 0.006 | | |
| ppm Water | ppm | ASTM D6304 | >500 | 66.1 | | |
| FLUID CLEANLIN | IESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >5000 | 1367 | | |
| Particles >6µm | | ASTM D7647 | >1300 | 234 | | |
| Particles >14µm | | ASTM D7647 | >160 | 12 | | |
| Particles >21µm | | ASTM D7647 | >40 | 3 | | |
| Particles >38µm | | ASTM D7647 | >10 | 0 | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 18/15/11 | | |



OIL ANALYSIS REPORT







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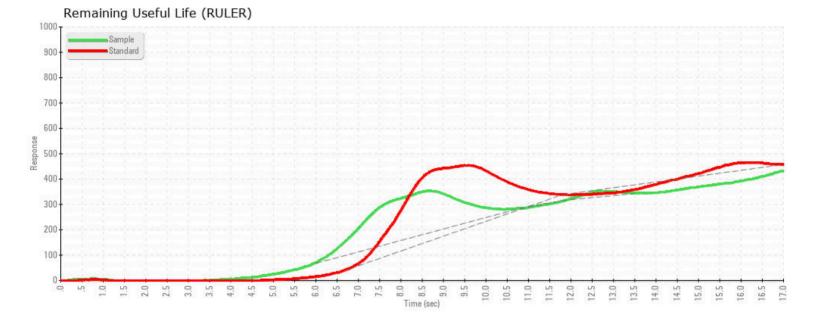
To discuss this sample report, contact Customer Service at 1-800-237-1369. Doug.Weir@ipaper.com;jon.fazenbaker@wearcheck.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

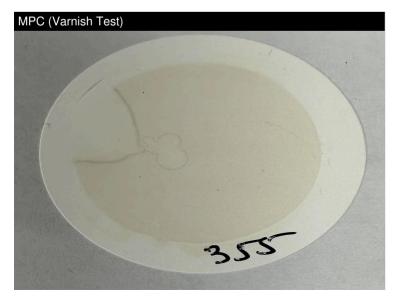
Contact/Location: DOUG WEIR - WEYNEW

Contact: DOUG WEIR

T: (252)633-7350

F: (252)633-7761





Sample Color & Clarity

Report Id: WEYNEW [WUSCAR] 05824355 (Generated: 08/21/2023 08:04:55) Rev: 2

Contact/Location: DOUG WEIR - WEYNEW Page 3 of 4 This page left intentionally blank