

OIL ANALYSIS REPORT

Area LOW SIDE FRICK BOOSTER 8 (S/N S0107NFMTHCA3)

Refrigeration Compressor

CAMCO 717 HT (--- GAL)

DIAGNOSIS

A Recommendation

We recommend an early resample to monitor this condition.

📥 Wear

The iron level is abnormal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

| | | p2011 Nov20 | 13 Feb2015 Aug2016 | Feb2018 May2013 Aug2020 Oct2022 | | |
|------------------|----------|--------------|--------------------|---------------------------------|---------------|-------------|
| SAMPLE INFORMA | | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | USP0011372 | USP243993 | USP249766 |
| Sample Date | | Client Info | | 12 May 2024 | 12 Jul 2023 | 12 Apr 2023 |
| Machine Age | nrs | Client Info | | 0 | 0 | 36347 |
| Oil Age | nrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | ABNORMAL | ABNORMAL | ATTENTION |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| lron p | opm | ASTM D5185m | >8 | 6 55 | 3 | 0 |
| Chromium p | opm | ASTM D5185m | >2 | <1 | 0 | 0 |
| | opm | ASTM D5185m | | 0 | 0 | 0 |
| | opm | ASTM D5185m | | <1 | <1 | 0 |
| | opm | ASTM D5185m | >2 | 0 | 0 | 0 |
| 1 | opm | ASTM D5185m | | 1 | <1 | <1 |
| | opm | ASTM D5185m | >2 | <1 | 0 | 0 |
| | opm | ASTM D5185m | | 2 | 0 | 0 |
| | opm | ASTM D5185m | | = <1 | 0 | 0 |
| | opm | ASTM D5185m | | <1 | <1 | 0 |
| | opm | ASTM D5185m | | <1 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron g | opm | ASTM D5185m | | 0 | 0 | 0 |
| | opm | ASTM D5185m | | 1 | 0 | 0 |
| | opm | ASTM D5185m | | <1 | 0 | 0 |
| | opm | ASTM D5185m | | <1 | 0 | <1 |
| | opm | ASTM D5185m | | <1 | 1 | <1 |
| | opm | ASTM D5185m | | 0 | 0 | 0 |
| 1 | opm | ASTM D5185m | | 0 | <1 | 0 |
| | opm | ASTM D5185m | | 3 | <1 | 0 |
| - | opm | ASTM D5185m | | 0 | 0 | 0 |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon p | opm | ASTM D5185m | >15 | 3 | 1 | 2 |
| | opm | ASTM D5185m | | 0 | <1 | 0 |
| Potassium p | opm | ASTM D5185m | >20 | 2 | 3 | 0 |
| | % | ASTM D6304 | >0.01 | 0.003 | 0.002 | 0.001 |
| ppm Water p | opm | ASTM D6304 | >100 | 32 | 22.5 | 14.1 |
| FLUID CLEANLINE | SS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | | 31585 | 57868 | 12087 |
| Particles >6µm | | ASTM D7647 | >2500 | <u> </u> | 1 4645 | 3422 |
| Particles >14µm | | ASTM D7647 | >320 | 127 | 5 17 | 188 |
| Particles >21µm | | ASTM D7647 | >80 | 12 | A 85 | 21 |
| Particles >38µm | | ASTM D7647 | >20 | 0 | 1 | 0 |
| Particles >71µm | | ASTM D7647 | >4 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >-/18/15 | A 22/20/14 | ▲ 23/21/16 | 21/19/15 |
| FLUID DEGRADAT | ION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | ng KOH/g | ASTM D974 | 0.007 | 0.04 | 0.014 | 0.013 |
| | | | | | | |

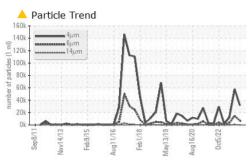
Report Id: JRSGRA [WUSCAR] 06177254 (Generated: 05/15/2024 13:44:59) Rev: 1

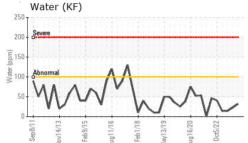
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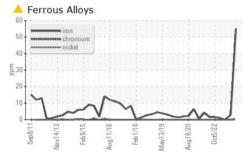
Sample Rating Trend WEAR

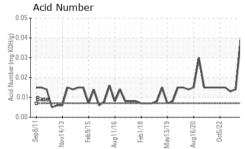


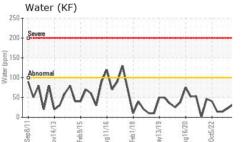
OIL ANALYSIS REPORT





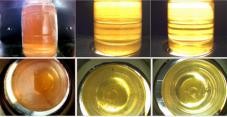




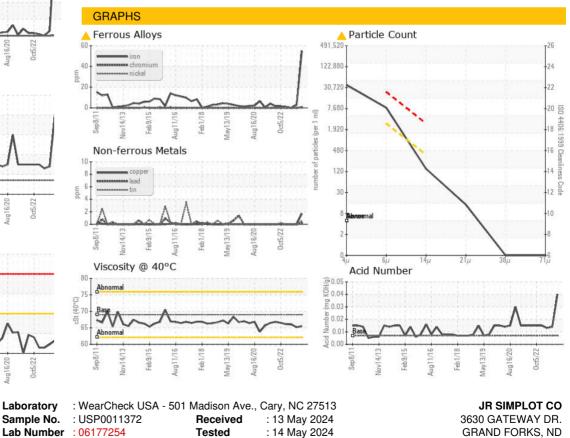


| VISUAL | | method | limit/base | current | history1 | history2 |
|------------------|--------|-----------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | NONE | LIGHT | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.01 | NEG | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG | NEG |
| FLUID PROPERT | IES | method | limit/base | current | history1 | history2 |
| Visc @ 40°C | cSt | ASTM D445 | 69 | 65.5 | 65.2 | 66.0 |
| SAMPLE IMAGES | S | method | limit/base | current | history1 | history2 |
| Color | | | | | | |

Color



Bottom



: 15 May 2024 - Doug Bogart



JR SIMPLOT CO 3630 GATEWAY DR. GRAND FORKS, ND US 58201 Contact: GREG HUDERLE greg.huderle@simplot.com T: 012) F: (701)780-7880

* - 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)

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

Diagnosed

Unique Number : 11023307

Test Package : IND 2

Report Id: JRSGRA [WUSCAR] 06177254 (Generated: 05/15/2024 13:44:59) Rev: 1

Certificate 12367

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