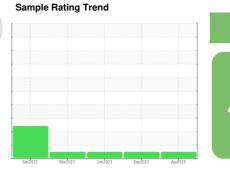


OIL ANALYSIS REPORT

WEST CRANE Machine of 170832

3 Slewing Gearbox

GEAR OIL SAE 75W90 (--- GAL)





DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with 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 oil.

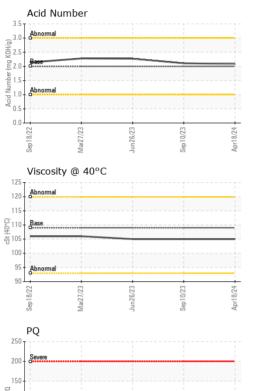
Fluid Condition

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

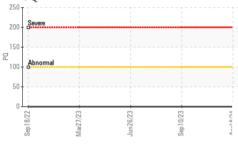
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
|------------------|----------|---------------|------------|-------------|-------------|-------------|
| Sample Number | | Client Info | | PP | PP | PP |
| Sample Date | | Client Info | | 18 Apr 2024 | 10 Sep 2023 | 26 Jun 2023 |
| Machine Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| CONTAMINATIO | N | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| PQ | | ASTM D8184* | | 0 | 0 | 0 |
| Iron | ppm | ASTM D5185(m) | >50 | 4 | 7 | 7 |
| Chromium | ppm | ASTM D5185(m) | >10 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185(m) | >10 | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185(m) | | 0 | 2 | 2 |
| Lead | ppm | ASTM D5185(m) | >15 | 0 | <1 | <1 |
| Copper | ppm | ASTM D5185(m) | >10 | 4 | 9 | 7 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | <1 | <1 |
| Antimony | ppm | ASTM D5185(m) | >5 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Beryllium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185(m) | 400 | 278 | 298 | 311 |
| Barium | ppm | ASTM D5185(m) | 200 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 12 | 0 | <1 | 0 |
| Manganese | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Magnesium | ppm | ASTM D5185(m) | 12 | 11 | 88 | 84 |
| Calcium | ppm | ASTM D5185(m) | 150 | <1 | 3 | 3 |
| Phosphorus | ppm | ASTM D5185(m) | 1650 | 1341 | 1447 | 1427 |
| Zinc | ppm | ASTM D5185(m) | 125 | 3 | 5 | 5 |
| Sulfur | ppm | ASTM D5185(m) | 22500 | 22393 | 22266 | 22080 |
| Lithium | ppm | ASTM D5185(m) | | <1 | <1 | <1 |
| CONTAMINANTS | ; | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185(m) | >25 | <1 | 4 | 4 |
| Sodium | ppm | ASTM D5185(m) | | <1 | 2 | <1 |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | <1 | <1 |
| FLUID DEGRADA | ATION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D974* | 2.00 | 2.08 | 2.11 | 2.27 |

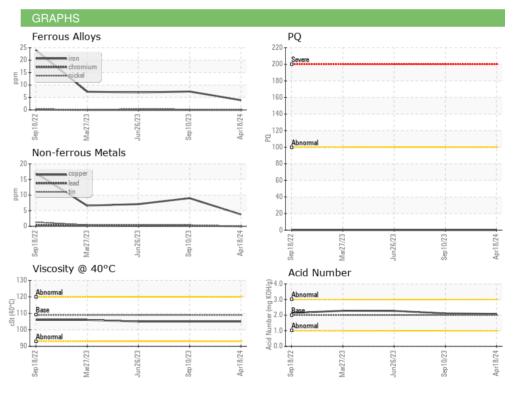


OIL ANALYSIS REPORT



| 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 | NONE | NONE |
| Debris | scalar | Visual* | NONE | VLITE | VLITE | 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* | >0.2 | NEG | NEG | NEG |
| Free Water | scalar | Visual* | | NEG | NEG | NEG |
| FLUID PROPERT | IES | method | limit/base | current | history1 | history2 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 109 | 105 | 105 | 105 |
| SAMPLE IMAGES | | method | limit/base | current | history1 | history2 |
| Color | | | | | | |
| | | | | | 200 | |









Laboratory

Sample No. Lab Number : 02630353

: PP

Bottom

Unique Number : 5763485 Test Package : IND 2 (Additional Tests: TAN Man)

To discuss this sample report, contact Customer Service at 1-800-268-2131.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received **Tested**

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

: 19 Apr 2024 Diagnosed

: 22 Apr 2024 : 22 Apr 2024 - Wes Davis

HIBERNIA MGMT & DEVELOPMENT CO. LTD SUITE 1000,, 100 NEW GOWER STREET ST.JOHNS, NL CA A1C 6K3

Contact: Sam Nash samantha.m.nash@exxonmobil.com T:

F: (709)722-3766

Validity of results and interpretation are based on the sample and information as supplied. Report Id: HIBSTJ [WCAMIS] 02630353 (Generated: 04/22/2024 15:20:36) Rev: 1

Contact/Location: Sam Nash - HIBSTJ