



| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Area
E BRONSON INGRAM
Machine Id
[E BRONSON INGRAM] 005 571430-5
Component
Center Reduction Gear
Fluid
CHEVRON MEROPA 320 (217 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | MW0049857 | MW0062922 | MW0062918 |
| Sample Date | | Client Info | | 01 Apr 2024 | 01 Mar 2024 | 02 Feb 2024 |
| Machine Age | hrs | Client Info | | 19147 | 18410 | 17791 |
| Oil Age | hrs | Client Info | | 19147 | 0 | 17791 |
| Filter Age | hrs | Client Info | | 19147 | 0 | 17791 |
| Oil Changed | | Client Info | | Changed | N/A | Not Changd |
| Filter Changed | | Client Info | | Changed | N/A | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >150 | 44 | 41 | 38 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 8 | 7 | 7 |
| Lead | ppm | ASTM D5185m | >100 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >50 | 8 | 6 | 7 |
| Tin | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

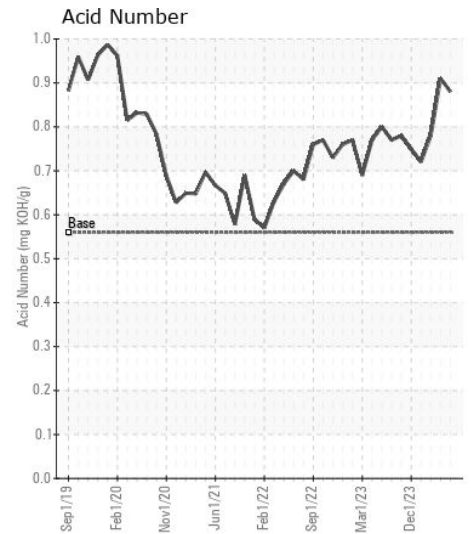
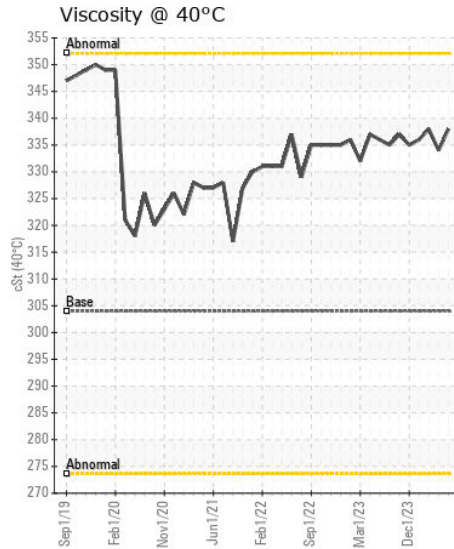
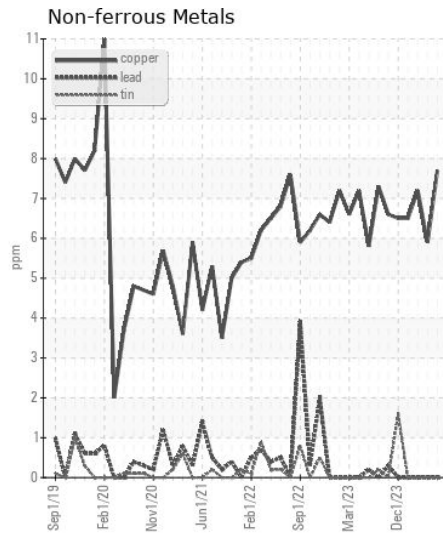
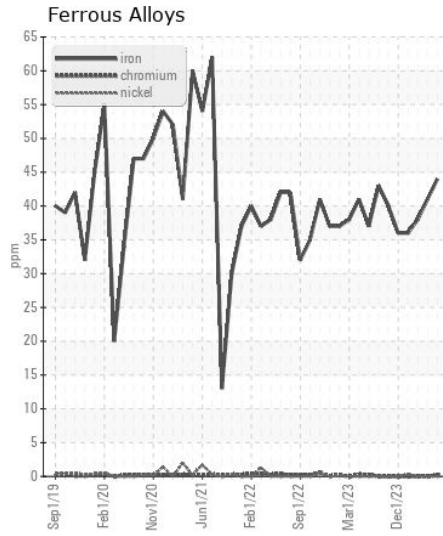
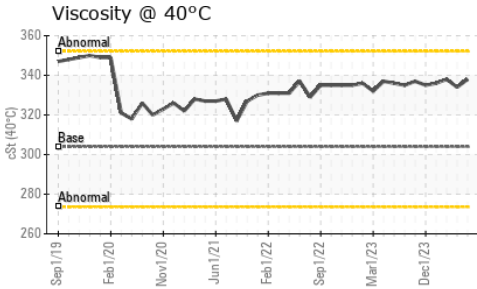
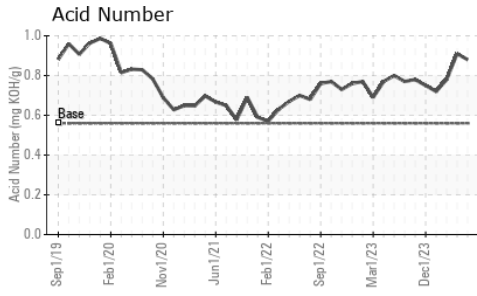
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 6 | 6 | 6 |
| Potassium | ppm | ASTM D5185m | >20 | 4 | 3 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| 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 | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|------------------|----------|-------------|------|-------------|------|------|
| Sodium | ppm | ASTM D5185m | | 7 | 7 | 8 |
| Boron | ppm | ASTM D5185m | 20 | 1 | <1 | <1 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185m | 0 | 4 | 3 | 4 |
| Manganese | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | | 4 | <1 | 0 |
| Calcium | ppm | ASTM D5185m | 25 | 23 | 22 | 16 |
| Phosphorus | ppm | ASTM D5185m | 235 | 252 | 248 | 198 |
| Zinc | ppm | ASTM D5185m | | 4 | 0 | 0 |
| Sulfur | ppm | ASTM D5185m | | 6626 | 7744 | 5737 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.56 | 0.88 | 0.91 | 0.78 |
| Visc @ 40°C | cSt | ASTM D445 | 304 | 338 | 334 | 338 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0049857
Lab Number : 06151287
Unique Number : 10981365
Test Package : MAR 2

Received : 16 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 18 Apr 2024 - Wes Davis

INGRAM BARGE
 900 S 3RD ST
 PADUCAH, KY
 US 42003

Contact: ANTHONY VAN CURA
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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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