



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

Area

PB SHAH

Machine Id

[PB SHAH] 004 566553-4

Component

Port Reduction Gear

Fluid

CHEVRON MEROPA 320 (260 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

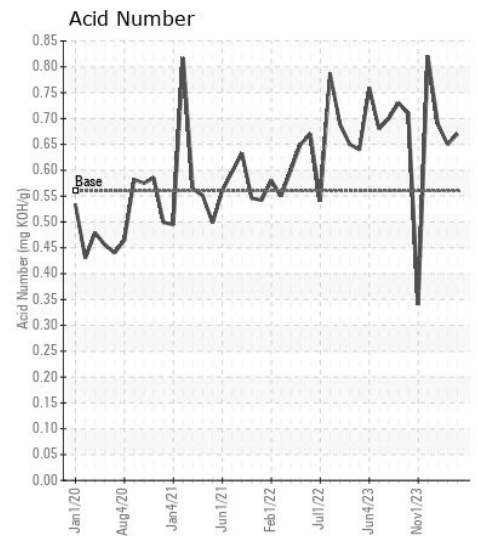
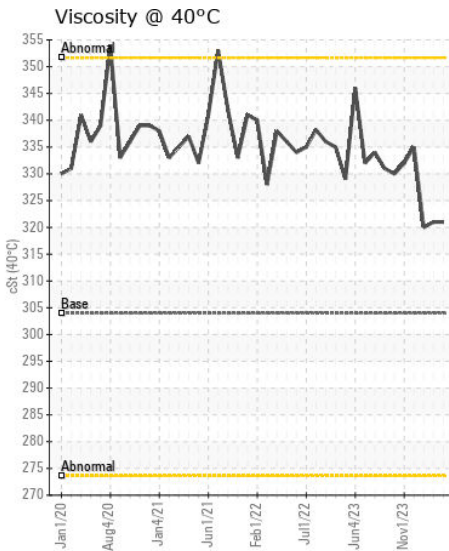
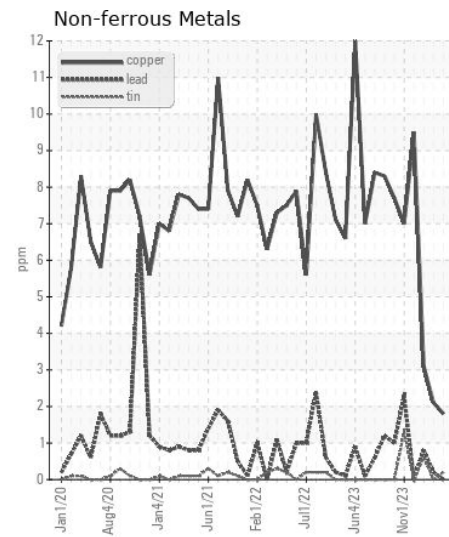
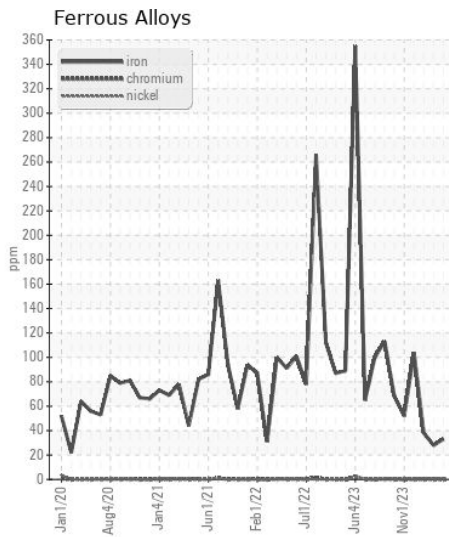
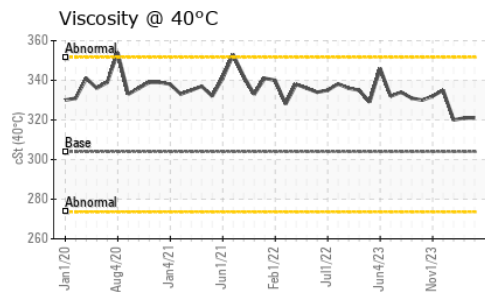
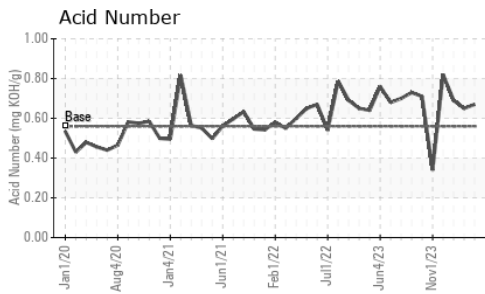
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | MW0066053 | MW0066118 | MW0065978 |
| Sample Date | | Client Info | | 01 Jul 2024 | 01 Jun 2024 | 02 May 2024 |
| Machine Age | hrs | Client Info | | 51806 | 51102 | 50524 |
| Oil Age | hrs | Client Info | | 2074 | 1370 | 795 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >150 | 33 | 28 | 38 |
| Chromium | ppm | ASTM D5185m | >10 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | 2 | 4 |
| Lead | ppm | ASTM D5185m | >100 | 0 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >50 | 2 | 2 | 3 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 2 | 2 | 4 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 1 | 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 |

| | | | | | | |
|------------------|----------|-------------|------|--------------|------|-------|
| Sodium | ppm | ASTM D5185m | | 2 | <1 | 2 |
| Boron | ppm | ASTM D5185m | 20 | 18 | 16 | 21 |
| Barium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 1 | 2 |
| Manganese | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | | 0 | 16 | 1 |
| Calcium | ppm | ASTM D5185m | 25 | 56 | 47 | 48 |
| Phosphorus | ppm | ASTM D5185m | 235 | 320 | 316 | 507 |
| Zinc | ppm | ASTM D5185m | | <1 | 22 | 16 |
| Sulfur | ppm | ASTM D5185m | | 7702 | 5636 | 11134 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.56 | 0.67 | 0.65 | 0.69 |
| Visc @ 40°C | cSt | ASTM D445 | 304 | 321 | 321 | 320 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : MW0066053

Lab Number : 06233982

Unique Number : 11122816

Test Package : MAR 2

Received : 11 Jul 2024

Tested : 12 Jul 2024

Diagnosed : 12 Jul 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)