



OIL ANALYSIS REPORT

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

Machine Id
7308
Component
Hydraulic System
Fluid
COMP OIL (POE) ISO 220 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | PTK0000363 | --- | --- |
| Sample Date | | Client Info | | 12 Jun 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 0 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | N/A | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|------|-----|-----|
| Iron | ppm | ASTM D5185m | >20 | 4 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Lead | ppm | ASTM D5185m | >10 | 1 | --- | --- |
| Copper | ppm | ASTM D5185m | >75 | 2 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

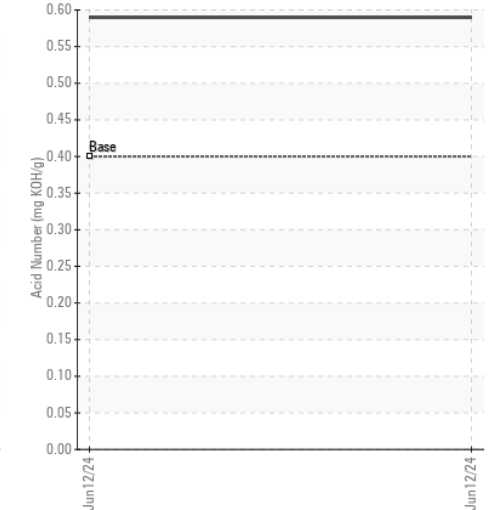
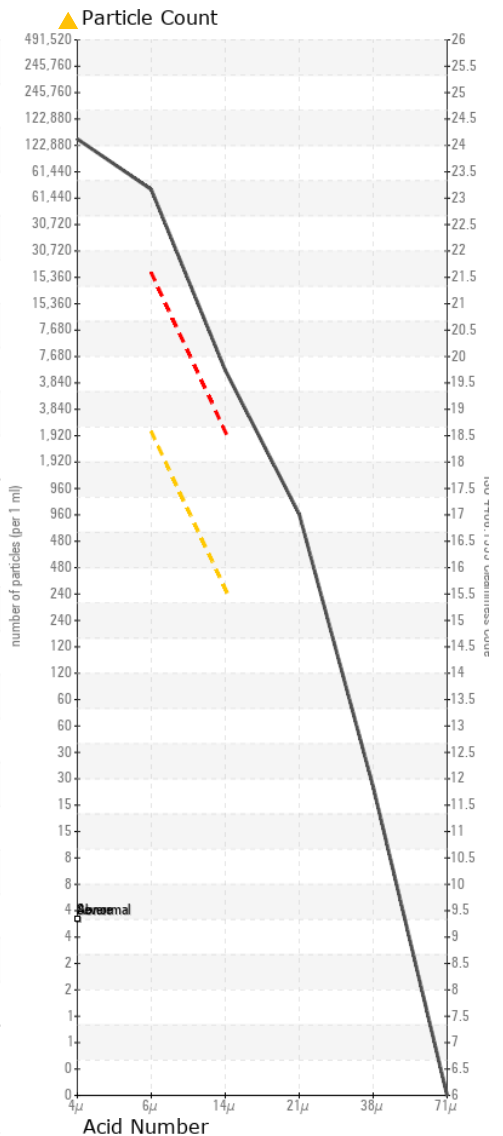
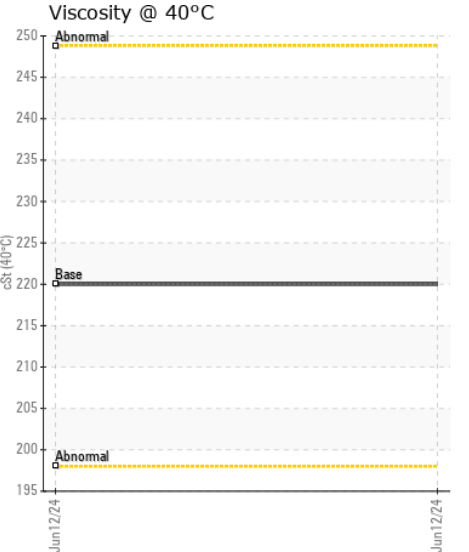
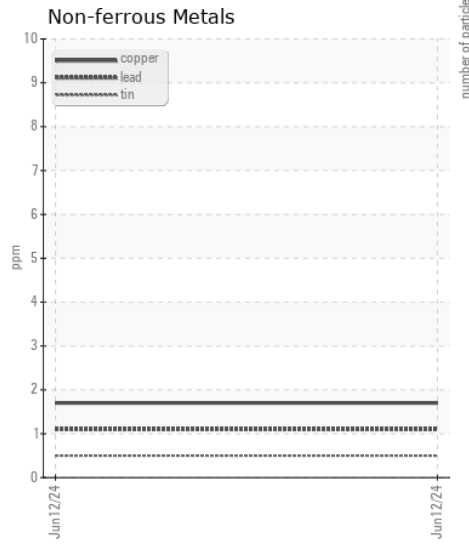
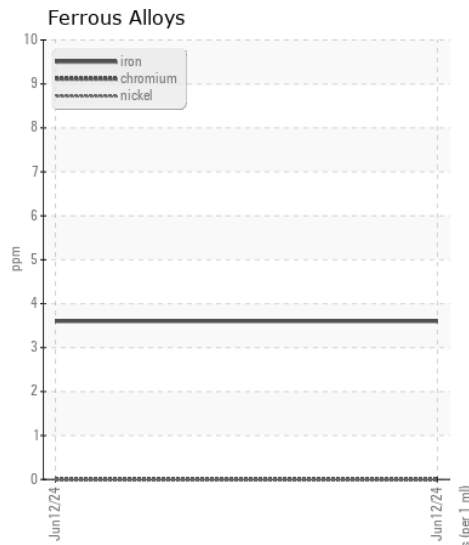
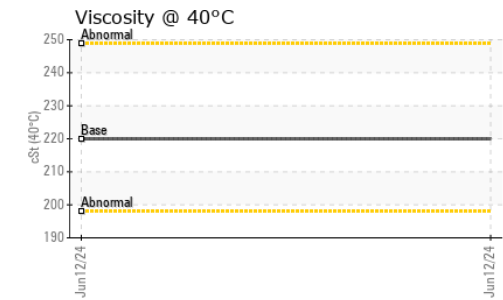
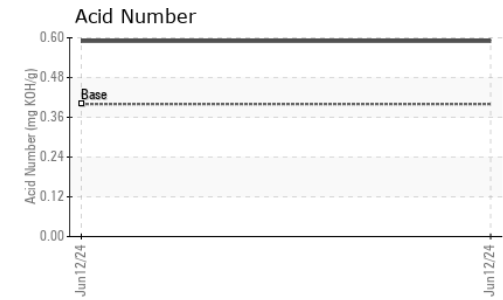
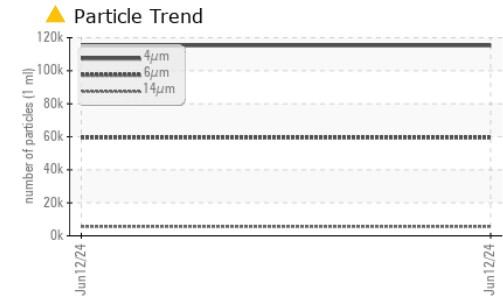
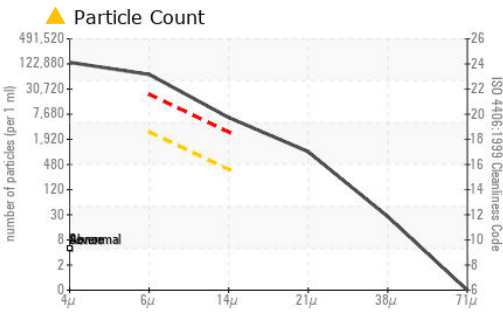
There is a high amount of particulates present in the oil. Moderate concentration of visible dirt/debris present in the oil. There is a moderate amount of visible silt present in the sample.

| | | | | | | |
|------------------|--------|--------------|--------|---------|-----|-----|
| Silicon | ppm | ASTM D5185m | >20 | 9 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | --- | --- |
| Water | | WC Method | >0.1 | NEG | --- | --- |
| Particles >4µm | | ASTM D7647 | | 115255 | --- | --- |
| Particles >6µm | | ASTM D7647 | >2500 | ▲ 59469 | --- | --- |
| Particles >14µm | | ASTM D7647 | >320 | ▲ 5592 | --- | --- |
| Particles >21µm | | ASTM D7647 | >80 | ▲ 851 | --- | --- |
| Particles >38µm | | ASTM D7647 | >20 | ▲ 24 | --- | --- |
| Particles >71µm | | ASTM D7647 | >4 | 0 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >18/15 | ▲ 23/20 | --- | --- |
| Silt | scalar | *Visual | NONE | ▲ MODER | --- | --- |
| Debris | scalar | *Visual | NONE | ▲ MODER | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.1 | 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 | | 1 | --- | --- |
| Boron | ppm | ASTM D5185m | 5 | <1 | --- | --- |
| Barium | ppm | ASTM D5185m | 5 | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 5 | <1 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 5 | 2 | --- | --- |
| Calcium | ppm | ASTM D5185m | 5 | 3 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 400 | 408 | --- | --- |
| Zinc | ppm | ASTM D5185m | 5 | 13 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 100 | 197 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.40 | 0.59 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 220 | 220 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PTK0000363
Lab Number : 06232758
Unique Number : 11116251
Test Package : MOB 2

Received : 10 Jul 2024
Tested : 11 Jul 2024
Diagnosed : 15 Jul 2024 - Jonathan Hester

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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