MOB II WEAR CHECK

# OIL ANALYSIS REPORT

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

Machine Id
## NOT GIVEN WC0658459 - ABC SUPPLY
Component
## Hydraulic System
Fluid
## AW HYDRAULIC OIL ISO 32 (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

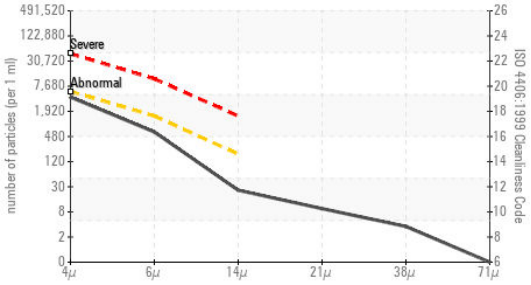
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

## FLUID CONDITION

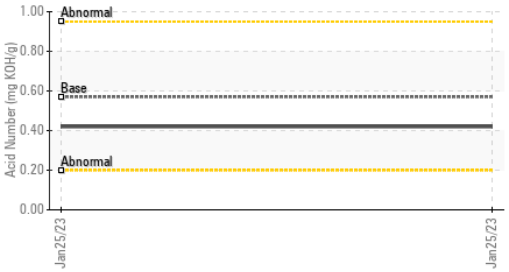
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | WC0658459 | --- | --- |
| Sample Date | | Client Info | | 25 Jan 2023 | --- | --- |
| Machine Age | yrs | Client Info | | 0 | --- | --- |
| Oil Age | yrs | Client Info | | 0 | --- | --- |
| Filter Age | yrs | Client Info | | 1 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |
| Iron | ppm | ASTM D5185m | >20 | 7 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Lead | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >75 | 2 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Silicon | ppm | ASTM D5185m | >20 | 2 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | <1 | --- | --- |
| Water | | WC Method | >0.1 | NEG | --- | --- |
| Particles >4µm | | ASTM D7647 | >5000 | 3681 | --- | --- |
| Particles >6µm | | ASTM D7647 | >1300 | 541 | --- | --- |
| Particles >14µm | | ASTM D7647 | >160 | 22 | --- | --- |
| Particles >21µm | | ASTM D7647 | >40 | 8 | --- | --- |
| Particles >38µm | | ASTM D7647 | >10 | 3 | --- | --- |
| Particles >71µm | | ASTM D7647 | >3 | 0 | --- | --- |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | 19/16/12 | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | --- | --- |
| Sodium | ppm | ASTM D5185m | | 0 | --- | --- |
| Boron | ppm | ASTM D5185m | 5 | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | 5 | 1 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 5 | <1 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 25 | 4 | --- | --- |
| Calcium | ppm | ASTM D5185m | 200 | 71 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 300 | 339 | --- | --- |
| Zinc | ppm | ASTM D5185m | 370 | 432 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 2500 | 4835 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.57 | 0.42 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 32 | 35.0 | --- | --- |
| Visc @ 100°C | cSt | ASTM D445 | 5.4 | 6.4 | --- | --- |
| Viscosity Index (VI) | Scale | ASTM D2270 | 102 | 136 | --- | --- |

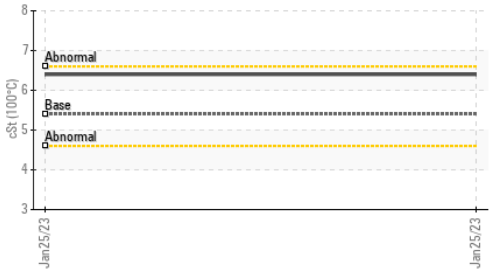
Particle Count



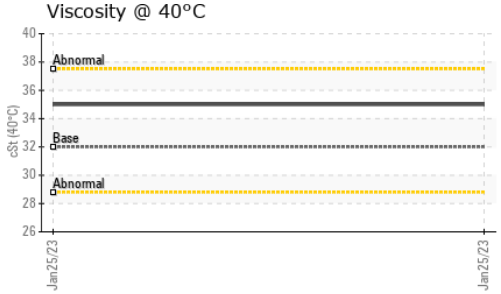

Acid Number



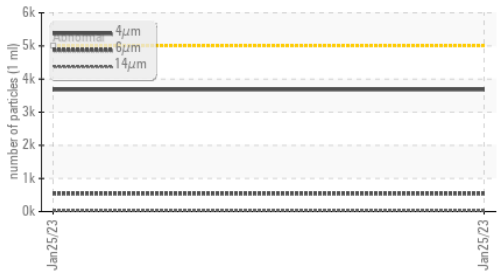

Viscosity @ 100°C



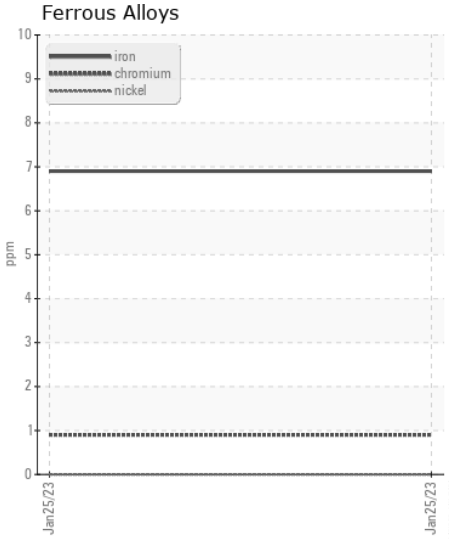

Viscosity @ 40°C



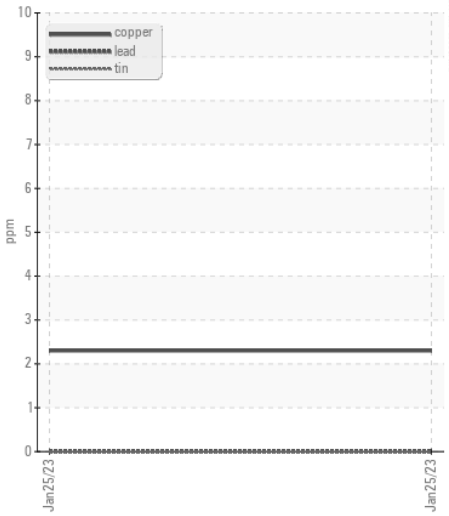

Particle Trend



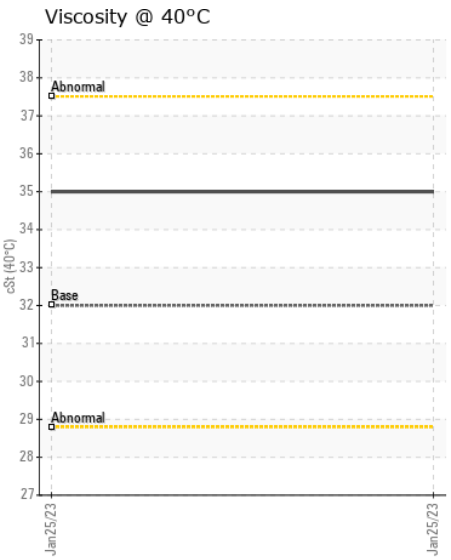

Ferrous Alloys



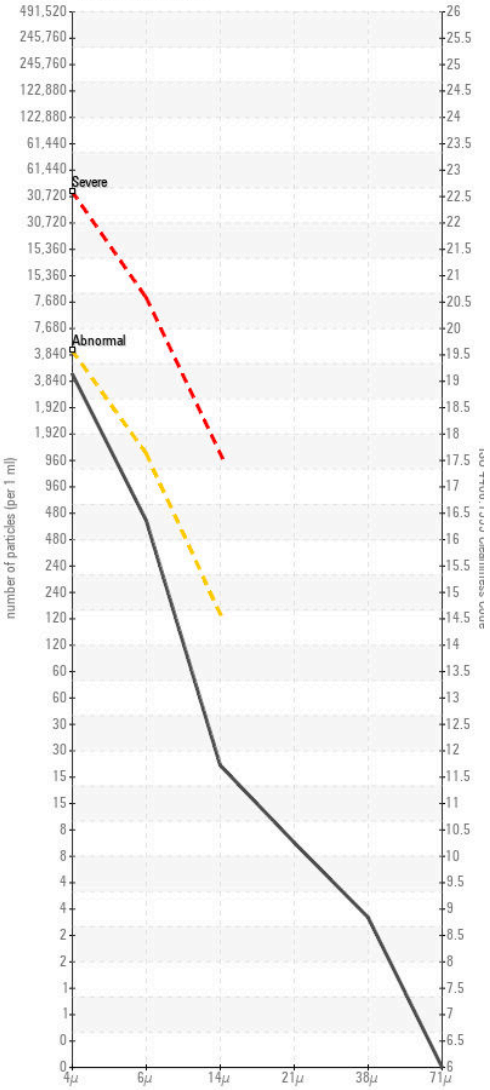

Non-ferrous Metals



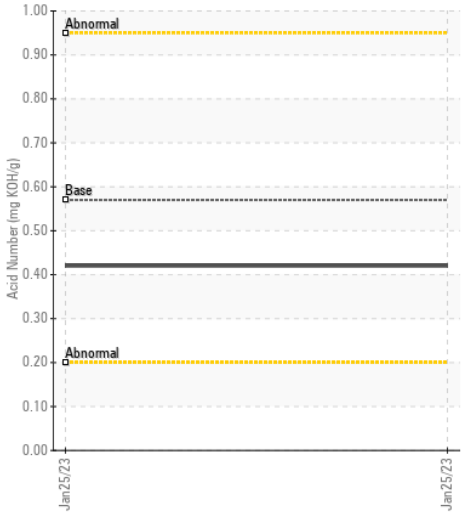

Viscosity @ 40°C




Particle Count




Acid Number





**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : WC0658459 **Recieved** : 26 Jan 2023
**Lab Number** : 05750811 **Diagnosed** : 30 Jan 2023
**Unique Number** : 10310415 **Diagnostician** : Jonathan Hester
**Test Package** : MOB 2 ( Additional Tests: KV100, VI )

Certificate L2367


*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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