



OIL ANALYSIS REPORT

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



Area
KANSAS/44/EG - EXCAVATOR
Machine Id
20.025L [KANSAS^44^EG - EXCAVATOR]
Component
Hydraulic System
Fluid
MOBIL MOBILTRANS AST 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | WC0918253 | WC0746079 | --- |
| Sample Date | | Client Info | | 24 Jun 2024 | 25 May 2023 | --- |
| Machine Age | hrs | Client Info | | 209 | 4 | --- |
| Oil Age | hrs | Client Info | | 209 | 4 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Not Changd | Not Changd | --- |
| Filter Changed | | Client Info | | N/A | Not Changd | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185m | >20 | 3 | 1 | --- |
| Chromium | ppm | ASTM D5185m | >10 | 0 | 0 | --- |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Lead | ppm | ASTM D5185m | >10 | 2 | <1 | --- |
| Copper | ppm | ASTM D5185m | >75 | 6 | 3 | --- |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

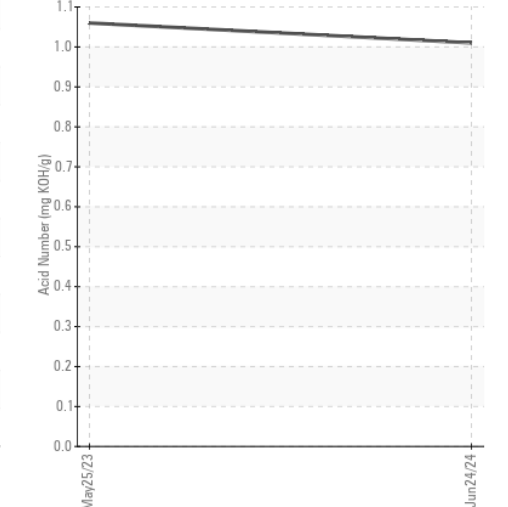
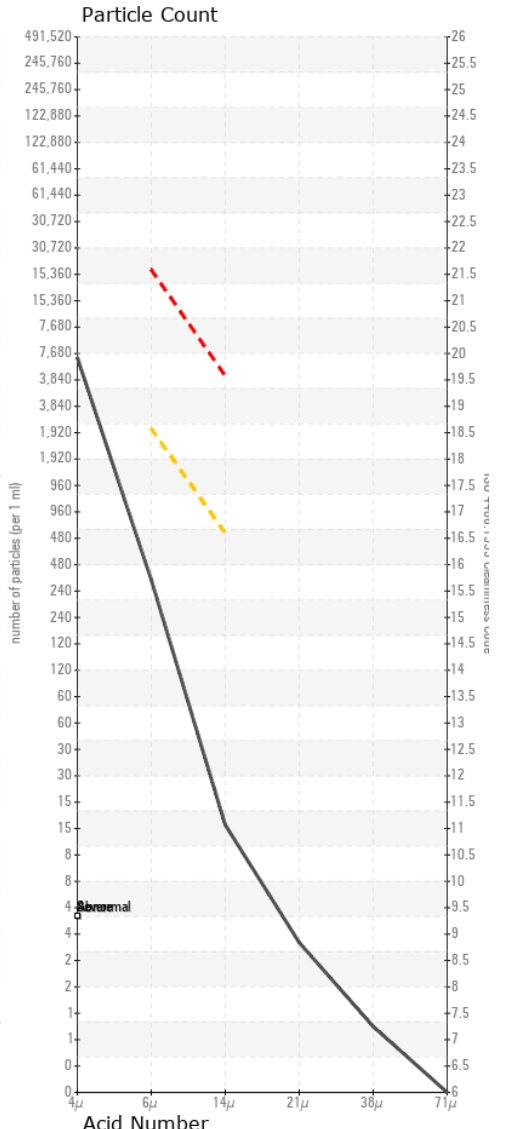
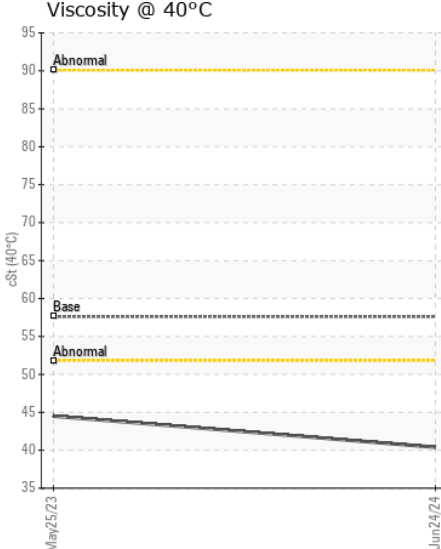
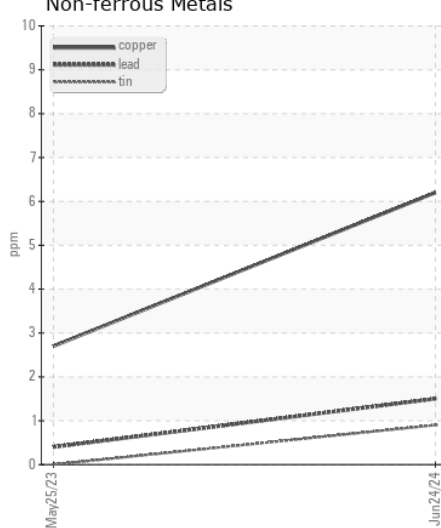
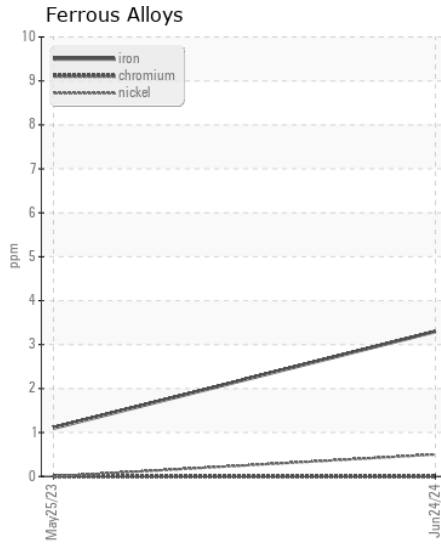
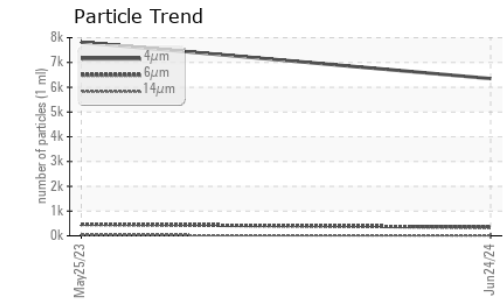
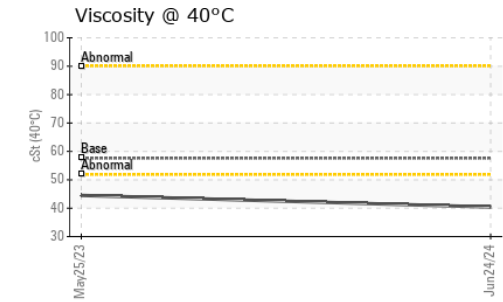
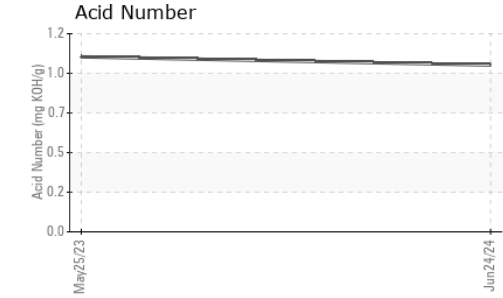
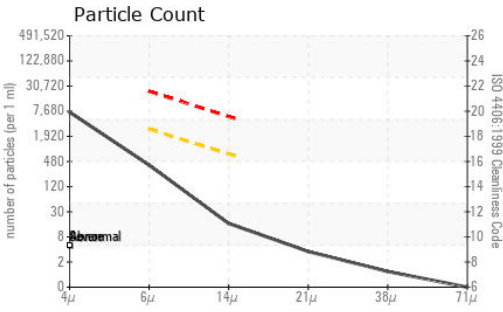
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|--------------|----------|-----------------|----------|-----|
| Silicon | ppm | ASTM D5185m | >20 | 2 | 1 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 4 | 2 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Particles >4µm | | ASTM D7647 | | 6348 | 7813 | --- |
| Particles >6µm | | ASTM D7647 | >2500 | 346 | 463 | --- |
| Particles >14µm | | ASTM D7647 | >640 | 14 | 27 | --- |
| Particles >21µm | | ASTM D7647 | >160 | 3 | 5 | --- |
| Particles >38µm | | ASTM D7647 | >40 | 1 | 0 | --- |
| Particles >71µm | | ASTM D7647 | >10 | 0 | 0 | --- |
| Oil Cleanliness | | ISO 4406 (c) | >-/18/16 | 20/16/11 | 20/16/12 | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | 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 | | <1 | 0 | --- |
| Boron | ppm | ASTM D5185m | | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | <1 | --- |
| Manganese | ppm | ASTM D5185m | | <1 | 0 | --- |
| Magnesium | ppm | ASTM D5185m | | 3 | 1 | --- |
| Calcium | ppm | ASTM D5185m | | 206 | 163 | --- |
| Phosphorus | ppm | ASTM D5185m | | 751 | 702 | --- |
| Zinc | ppm | ASTM D5185m | | 1010 | 912 | --- |
| Sulfur | ppm | ASTM D5185m | | 2277 | 1756 | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 1.01 | 1.06 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 57.6 | 40.4 | 44.5 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918253 **Received** : 01 Jul 2024
Lab Number : 06225002 **Tested** : 02 Jul 2024
Unique Number : 11103199 **Diagnosed** : 03 Jul 2024 - Don Baldridge
Test Package : CONST

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 WICHITA, KS
 US 67213
 Contact: RANDY ROBERTS
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 T:
 F: x:

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)