



LEAHY-WOLF
Lubricating specialists since 1946

OIL ANALYSIS REPORT

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

Area

TA Machines

Machine Id

SANY SY500 TA946 (S/N SY0503BK00528)

Component

Swing Drive

Fluid

CITGO PREMIUM GEAR 80W90 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

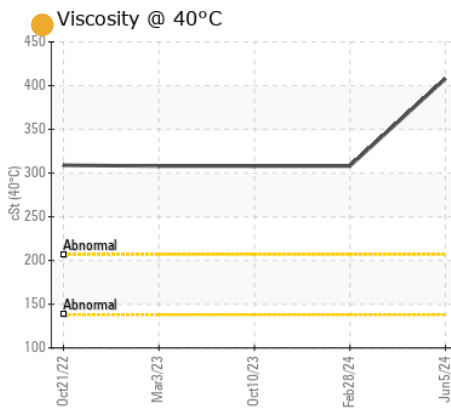
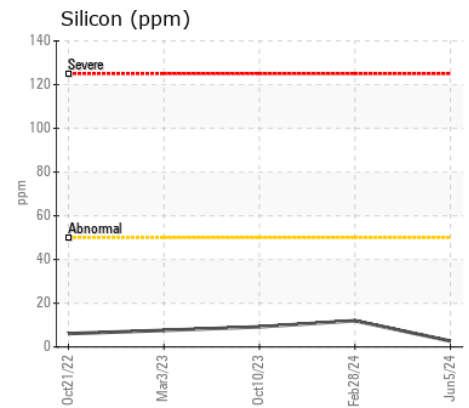
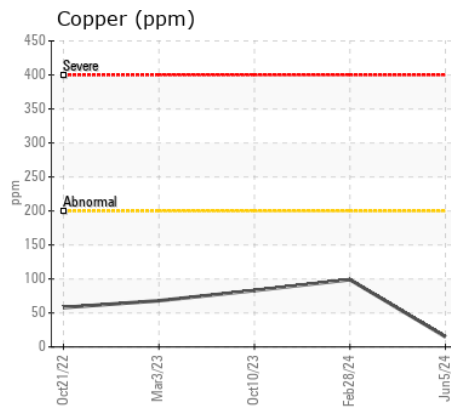
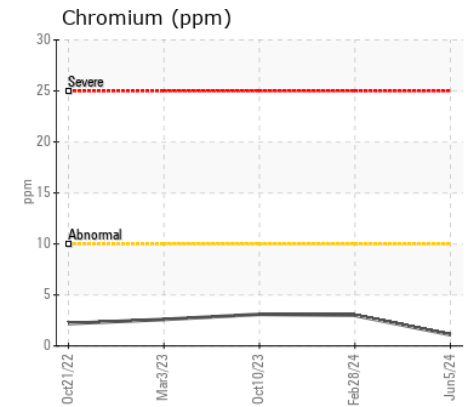
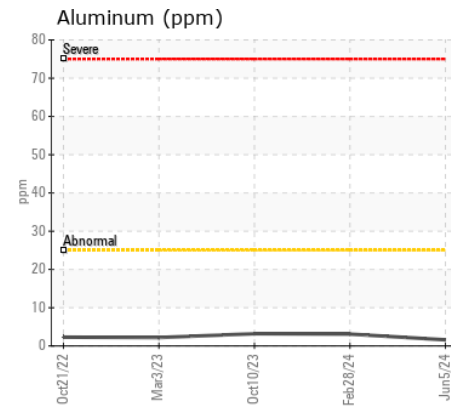
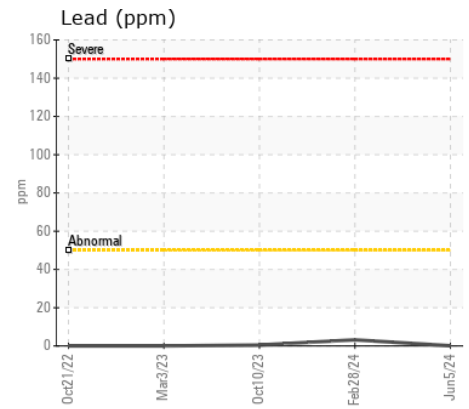
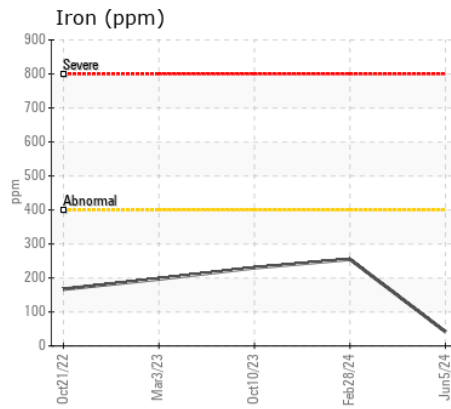
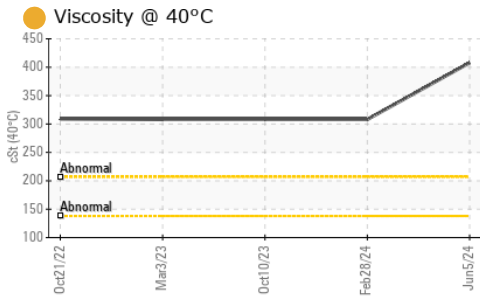
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil viscosity is higher than normal. Confirm oil type.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | LW0009085 | LW0008324 | LW0007592 |
| Sample Date | | Client Info | | 05 Jun 2024 | 28 Feb 2024 | 10 Oct 2023 |
| Machine Age | hrs | Client Info | | 2398 | 2148 | 1672 |
| Oil Age | hrs | Client Info | | 2398 | 2148 | 1672 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | ATTENTION | ATTENTION | ATTENTION |
| Iron | ppm | ASTM D5185m | >400 | 42 | 255 | 230 |
| Chromium | ppm | ASTM D5185m | >10 | 1 | 3 | 3 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 2 | 3 | 3 |
| Lead | ppm | ASTM D5185m | >50 | <1 | 3 | <1 |
| Copper | ppm | ASTM D5185m | >200 | 15 | 99 | 83 |
| 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 | 3 | 12 | 9 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | 1 | 5 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| 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 | >0.2 | NEG | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | <1 | 3 | 4 |
| Boron | ppm | ASTM D5185m | | 103 | 29 | 30 |
| Barium | ppm | ASTM D5185m | | 0 | 2 | 2 |
| Molybdenum | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | 2 | 8 | 8 |
| Magnesium | ppm | ASTM D5185m | | 1 | 2 | 2 |
| Calcium | ppm | ASTM D5185m | | 88 | 8 | 10 |
| Phosphorus | ppm | ASTM D5185m | | 798 | 833 | 868 |
| Zinc | ppm | ASTM D5185m | | 45 | 68 | 77 |
| Sulfur | ppm | ASTM D5185m | | 21001 | 24753 | 26733 |
| Visc @ 40°C | cSt | ASTM D445 | | 408 | 308 | 308 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LW0009085
Lab Number : 06212135
Unique Number : 11084999
Test Package : MOB 1 (Additional Tests: PQ)

Received : 17 Jun 2024
Tested : 19 Jun 2024
Diagnosed : 19 Jun 2024 - Don Baldrige

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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)