



VOLVO

OIL ANALYSIS REPORT

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



Area
[W07014085-1 STANLEY]
Machine Id
VOLVO A35G 340182
Component
Drop Box
Fluid
MOBIL 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | VCP447900 | VCP409359 | VCP401346 |
| Sample Date | | Client Info | | 05 Jan 2024 | 12 Oct 2023 | 21 Feb 2023 |
| Machine Age | hrs | Client Info | | 11250 | 10903 | 10045 |
| Oil Age | hrs | Client Info | | 0 | 500 | 4000 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Filter Changed | | Client Info | | Changed | N/A | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-------|
| Iron | ppm | ASTM D5185m | >500 | 18 | 51 | 137 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | <1 | 1 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >30 | 2 | 3 | 9 |
| Lead | ppm | ASTM D5185m | >30 | 0 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >30 | 0 | <1 | 3 |
| Tin | ppm | ASTM D5185m | >20 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

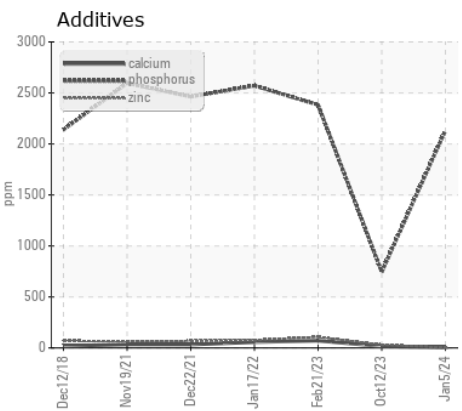
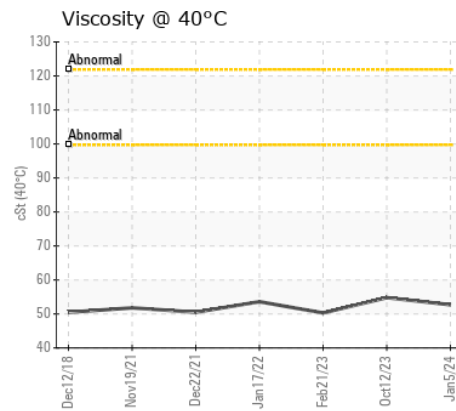
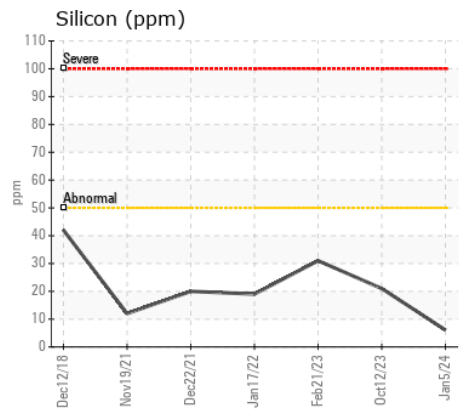
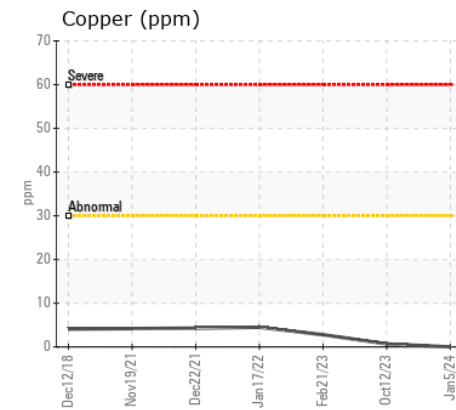
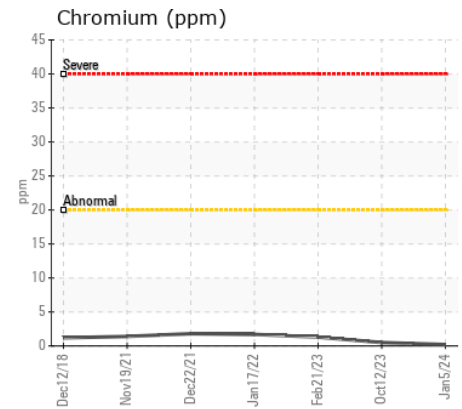
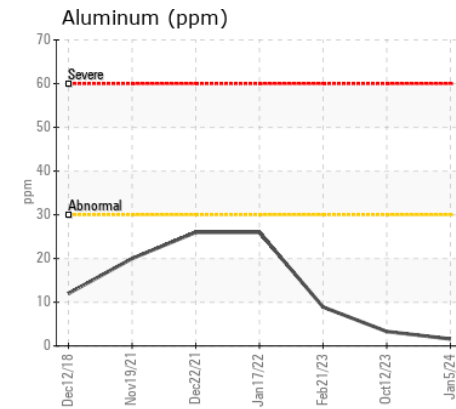
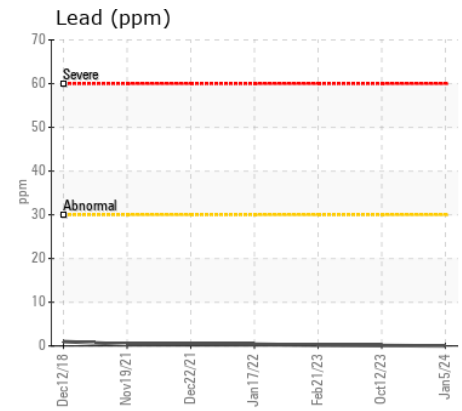
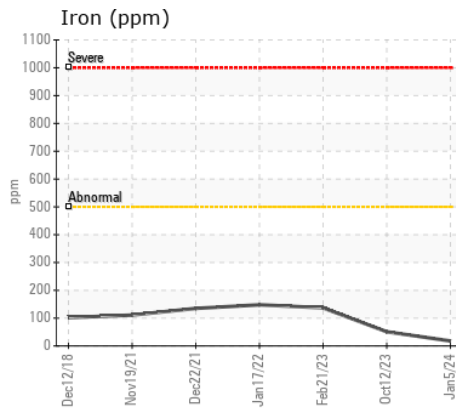
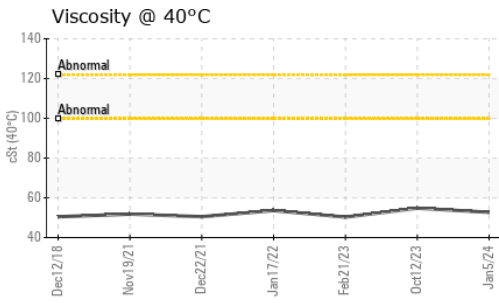
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 6 | 21 | 31 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 1 | 2 |
| 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 |

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|--|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | | <1 | 0 | 2 |
| Boron | ppm | ASTM D5185m | | 328 | 60 | 131 |
| Barium | ppm | ASTM D5185m | | 0 | 9 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | 2 |
| Magnesium | ppm | ASTM D5185m | | <1 | 3 | 5 |
| Calcium | ppm | ASTM D5185m | | 6 | 16 | 71 |
| Phosphorus | ppm | ASTM D5185m | | 2132 | 746 | 2383 |
| Zinc | ppm | ASTM D5185m | | 0 | 31 | 107 |
| Sulfur | ppm | ASTM D5185m | | 26882 | 24424 | 30903 |
| Visc @ 40°C | cSt | ASTM D445 | | 52.7 | 54.8 | 50.3 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP447900 **Received** : 10 Jan 2024
Lab Number : 06056987 **Diagnosed** : 11 Jan 2024
Unique Number : 10822936 **Diagnostician** : Sean Felton
Test Package : MOB 1

MCLLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
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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)