



VOLVO

OIL ANALYSIS REPORT

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



Machine Id
VOLVO L150H 4487
Component
Front Axle
Fluid
MOBIL MOBILFLUID 424 (--- GAL)

RECOMMENDATION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | VCP447463 | VCP307517 | VCP312534 |
| Sample Date | | Client Info | | 10 Jun 2024 | 04 Mar 2024 | 02 Oct 2023 |
| Machine Age | hrs | Client Info | | 18778 | 18384 | 17506 |
| Oil Age | hrs | Client Info | | 394 | 878 | 1027 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changed | Changed | Changed |
| Filter Changed | | Client Info | | Not Changed | Changed | Changed |
| Sample Status | | | | ABNORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-------|
| Iron | ppm | ASTM D5185m | >500 | 8 | 4 | 10 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >30 | 2 | <1 | 1 |
| Lead | ppm | ASTM D5185m | >50 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >120 | <1 | 0 | <1 |
| Tin | ppm | ASTM D5185m | >20 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

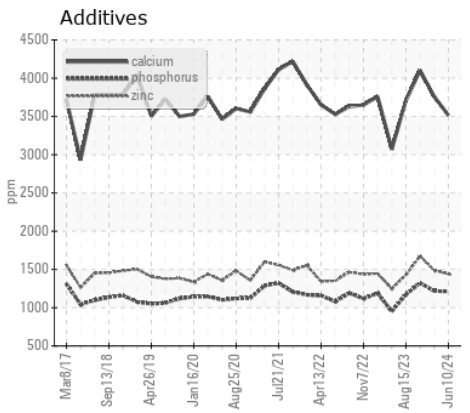
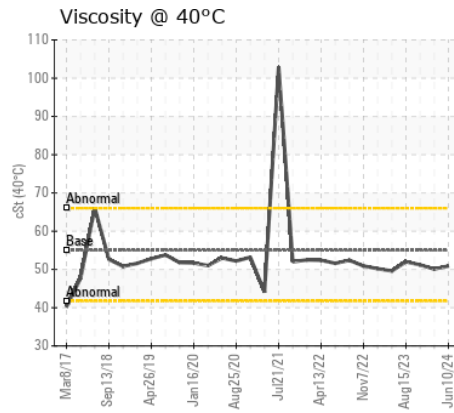
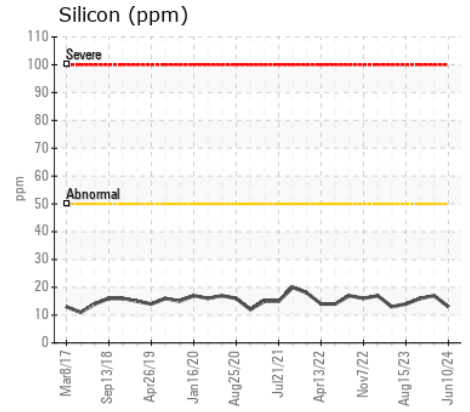
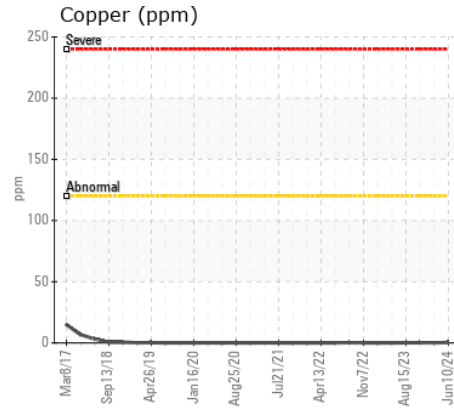
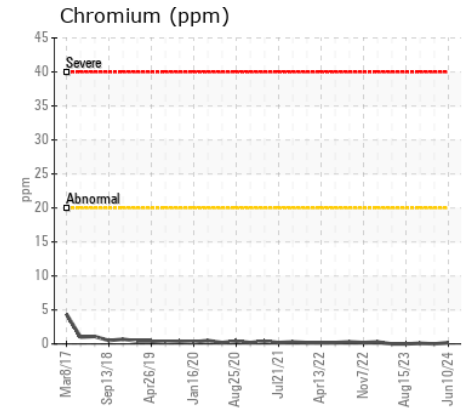
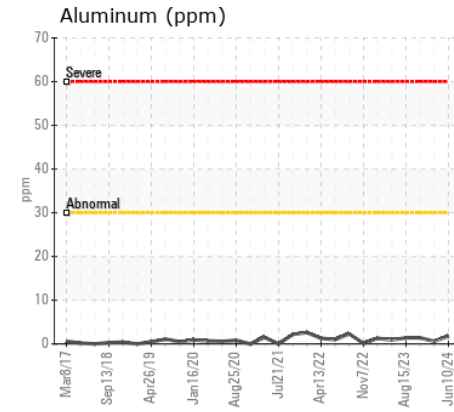
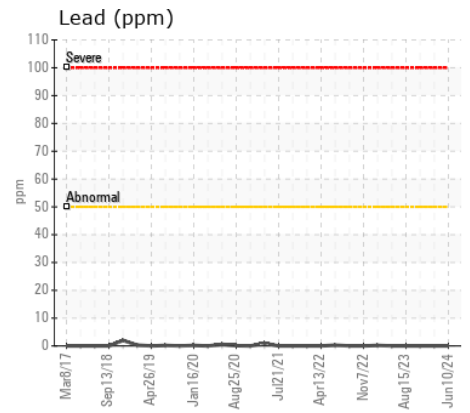
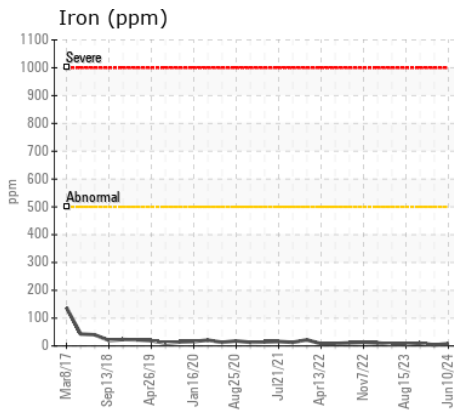
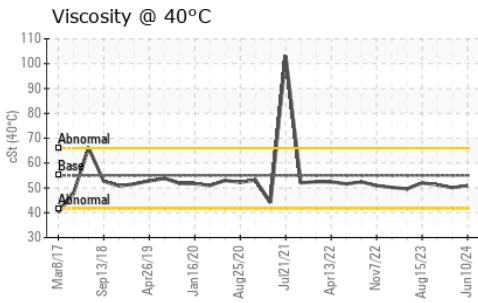
Moderate concentration of visible dirt/debris present in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|----------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 13 | 17 | 16 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | 2 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | ▲ MODER | 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 | | 0 | 4 | 5 |
| Boron | ppm | ASTM D5185m | | 119 | 124 | 143 |
| Barium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 1 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | | 17 | 4 | 21 |
| Calcium | ppm | ASTM D5185m | | 3515 | 3759 | 4099 |
| Phosphorus | ppm | ASTM D5185m | | 1211 | 1219 | 1324 |
| Zinc | ppm | ASTM D5185m | | 1440 | 1489 | 1674 |
| Sulfur | ppm | ASTM D5185m | | 7108 | 6569 | 8221 |
| Visc @ 40°C | cSt | ASTM D445 | 55 | 50.9 | 50.1 | 51.2 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP447463
Lab Number : 06212170
Unique Number : 11085034
Test Package : MOB 1

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)