



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



Area
[W03008000]
Machine Id
VOLVO L70H 624420
Component
Front Axle
Fluid
MOBIL WB 102 (9 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W03008000)

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | ML0002486 | VCP315927 | --- |
| Sample Date | | Client Info | | 19 Jun 2024 | 26 Jan 2022 | --- |
| Machine Age | hrs | Client Info | | 3918 | 1075 | --- |
| Oil Age | hrs | Client Info | | 2843 | 1075 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Changed | --- |
| Filter Changed | | Client Info | | N/A | Not Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|-----|
| Iron | ppm | ASTM D5185m | >500 | 67 | 55 | --- |
| Chromium | ppm | ASTM D5185m | >20 | 2 | 3 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | <1 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185m | >30 | 2 | 1 | --- |
| Lead | ppm | ASTM D5185m | >50 | 0 | <1 | --- |
| Copper | ppm | ASTM D5185m | >120 | <1 | 1 | --- |
| Tin | ppm | ASTM D5185m | >20 | <1 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | --- |
| White Metal | scalar | *Visual | NONE | NONE | VLITE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

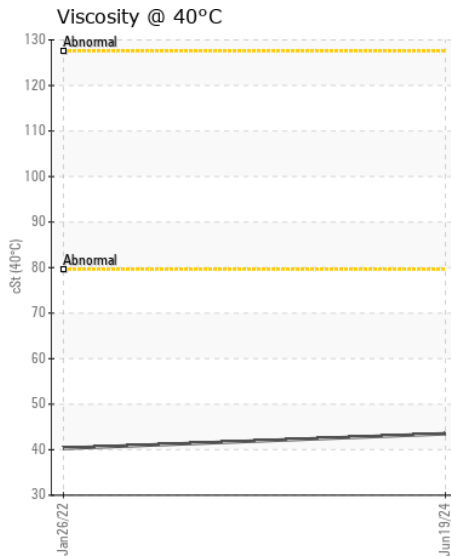
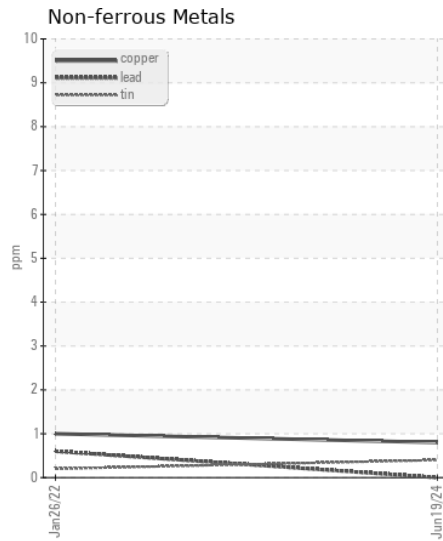
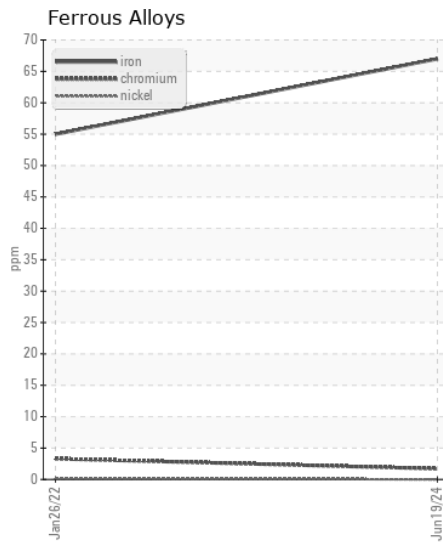
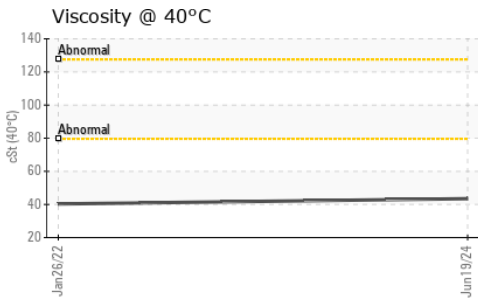
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >50 | 15 | 14 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 0 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| 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 | >0.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|--|-------------|------|-----|
| Sodium | ppm | ASTM D5185m | | 8 | 11 | --- |
| Boron | ppm | ASTM D5185m | | 129 | 130 | --- |
| Barium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | | 8 | 11 | --- |
| Manganese | ppm | ASTM D5185m | | 7 | 10 | --- |
| Magnesium | ppm | ASTM D5185m | | 76 | 16 | --- |
| Calcium | ppm | ASTM D5185m | | 3869 | 4015 | --- |
| Phosphorus | ppm | ASTM D5185m | | 1409 | 1314 | --- |
| Zinc | ppm | ASTM D5185m | | 1633 | 1635 | --- |
| Sulfur | ppm | ASTM D5185m | | 4606 | 4170 | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 43.5 | 40.3 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002486
Lab Number : 06216380
Unique Number : 11089244
Test Package : CONST

Received : 20 Jun 2024
Tested : 21 Jun 2024
Diagnosed : 23 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)