



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



Machine Id
VOLVO L90H 625736

Component
Rear Axle

Fluid
VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | ML0002629 | ML0000886 | --- |
| Sample Date | | Client Info | | 01 Jul 2024 | 05 Mar 2024 | --- |
| Machine Age | hrs | Client Info | | 4475 | 4041 | --- |
| Oil Age | hrs | Client Info | | 434 | 2000 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Not Changed | Changed | --- |
| Filter Changed | | Client Info | | Not Changed | Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185m | >300 | 14 | 72 | --- |
| Chromium | ppm | ASTM D5185m | >10 | 1 | 3 | --- |
| Nickel | ppm | ASTM D5185m | >4 | <1 | 1 | --- |
| Titanium | ppm | ASTM D5185m | | 1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >15 | 2 | 2 | --- |
| Lead | ppm | ASTM D5185m | >4 | <1 | 1 | --- |
| Copper | ppm | ASTM D5185m | >200 | 14 | 118 | --- |
| Tin | ppm | ASTM D5185m | >15 | <1 | 4 | --- |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

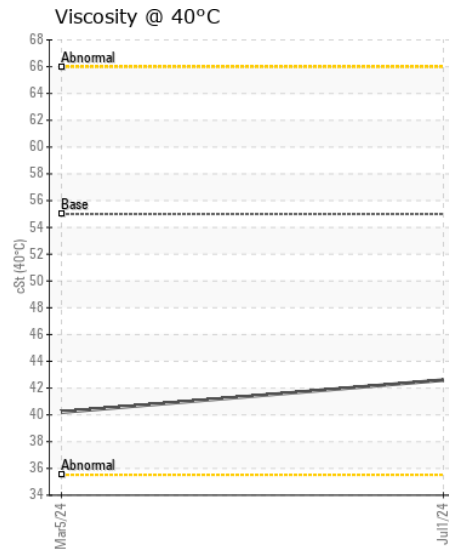
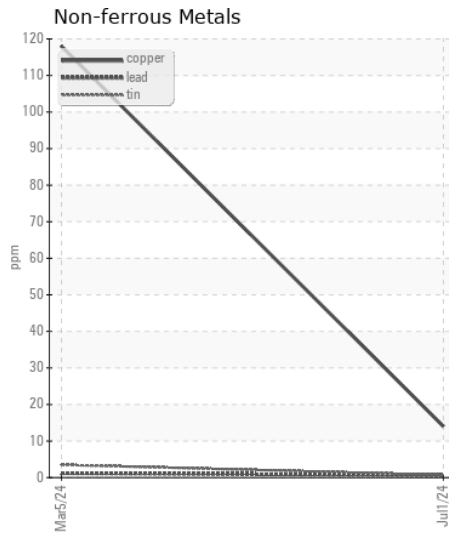
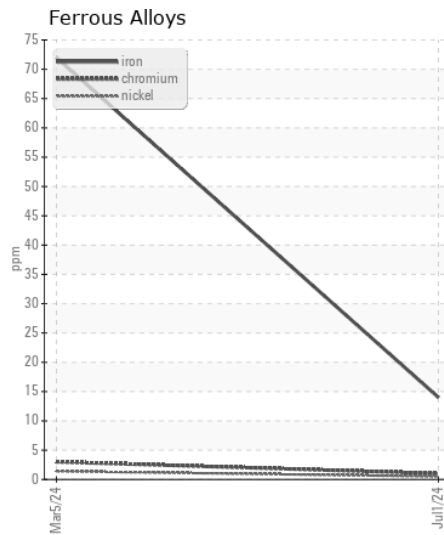
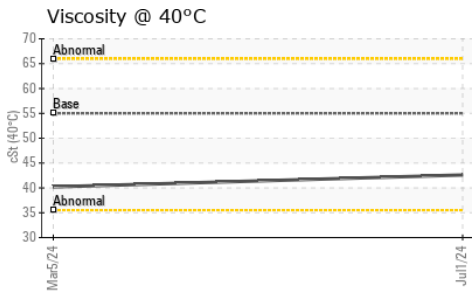
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >75 | 10 | 18 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 4 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | MODER | 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 | | 1 | 11 | --- |
| Boron | ppm | ASTM D5185m | | 134 | 205 | --- |
| Barium | ppm | ASTM D5185m | | 0 | <1 | --- |
| Molybdenum | ppm | ASTM D5185m | | <1 | 3 | --- |
| Manganese | ppm | ASTM D5185m | | 1 | 6 | --- |
| Magnesium | ppm | ASTM D5185m | | 8 | 13 | --- |
| Calcium | ppm | ASTM D5185m | | 3892 | 4969 | --- |
| Phosphorus | ppm | ASTM D5185m | | 1389 | 1976 | --- |
| Zinc | ppm | ASTM D5185m | | 1702 | 2210 | --- |
| Sulfur | ppm | ASTM D5185m | | 5667 | 7484 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 55 | 42.6 | 40.2 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002629
Lab Number : 06229350
Unique Number : 11112843
Test Package : CONST

Received : 05 Jul 2024
Tested : 09 Jul 2024
Diagnosed : 09 Jul 2024 - Don Baldrige

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: Alex Anderson
 aanderson@mcclung-logan.com

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)

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