



VOLVO

OIL ANALYSIS REPORT

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



Area
[47235]
 Machine Id
VOLVO A40G 353015
 Component
Front Axle
 Fluid
VOLVO API GL-5 SAE 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|-------------|----------|
| Sample Number | | Client Info | | VCP417901 | VCP389693 | --- |
| Sample Date | | Client Info | | 22 Feb 2024 | 30 Nov 2022 | --- |
| Machine Age | hrs | Client Info | | 2828 | 1091 | --- |
| Oil Age | hrs | Client Info | | 1000 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Not Changed | Changed | --- |
| Filter Changed | | Client Info | | Not Changed | Not Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|------|-------|-----|
| Iron | ppm | ASTM D5185m | >900 | 113 | 114 | --- |
| Chromium | ppm | ASTM D5185m | >20 | 1 | 2 | --- |
| Nickel | ppm | ASTM D5185m | >10 | <1 | <1 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Silver | ppm | ASTM D5185m | | <1 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >30 | <1 | <1 | --- |
| Lead | ppm | ASTM D5185m | >50 | <1 | 0 | --- |
| Copper | ppm | ASTM D5185m | >150 | 2 | <1 | --- |
| Tin | ppm | ASTM D5185m | >20 | <1 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | MODER | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

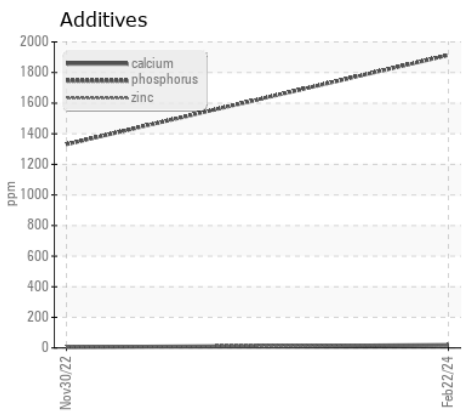
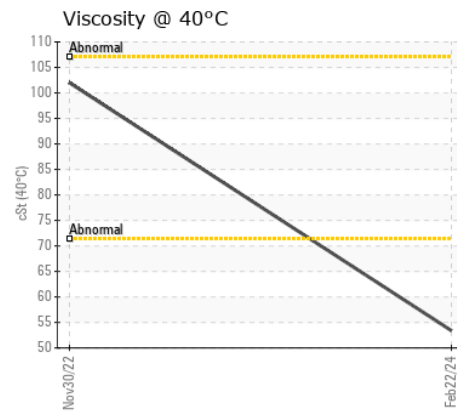
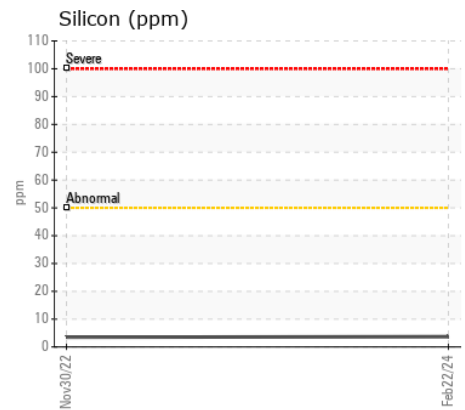
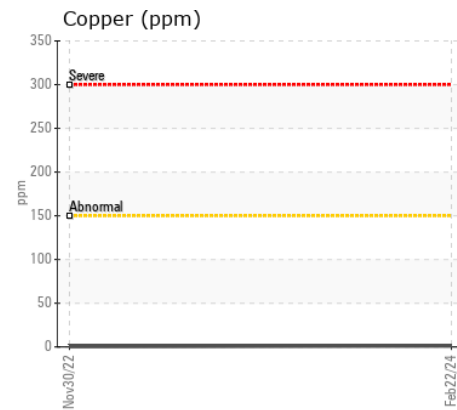
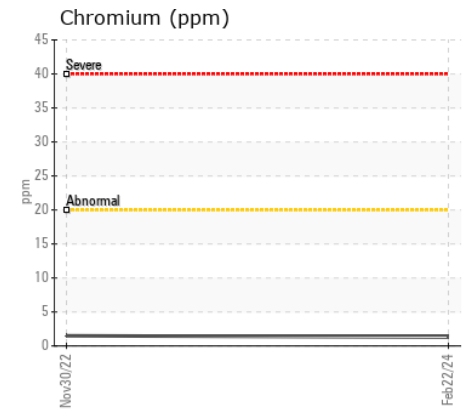
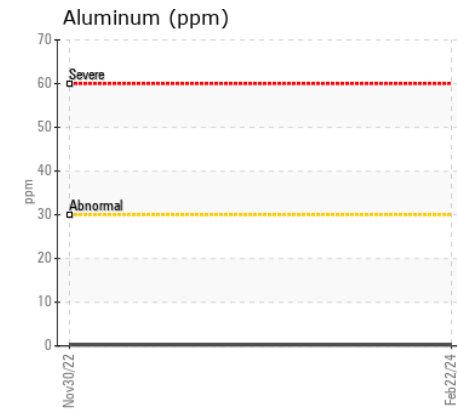
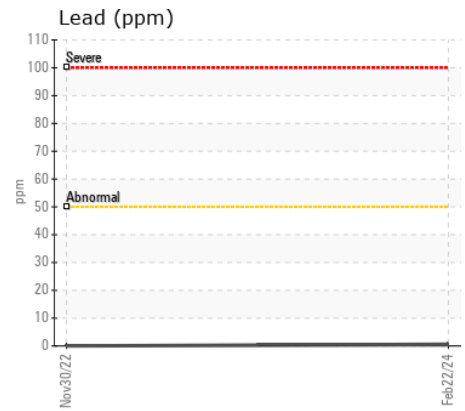
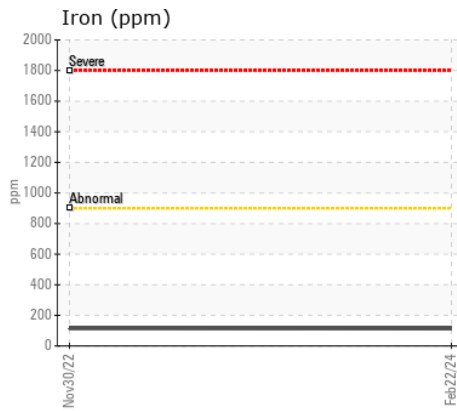
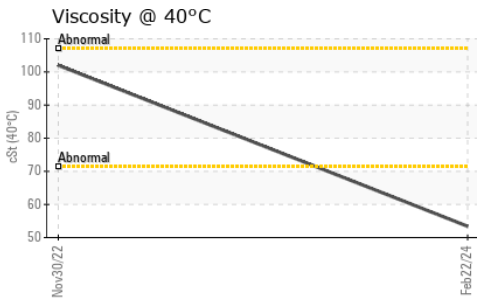
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|-------|-------|-----|
| Silicon | ppm | ASTM D5185m | >50 | 4 | 4 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | LIGHT | LIGHT | --- |
| 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 | | 0 | <1 | --- |
| Boron | ppm | ASTM D5185m | | 270 | 320 | --- |
| Barium | ppm | ASTM D5185m | | 5 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | | 2 | 3 | --- |
| Manganese | ppm | ASTM D5185m | | 3 | 5 | --- |
| Magnesium | ppm | ASTM D5185m | | 2 | 1 | --- |
| Calcium | ppm | ASTM D5185m | | 20 | 6 | --- |
| Phosphorus | ppm | ASTM D5185m | | 1914 | 1331 | --- |
| Zinc | ppm | ASTM D5185m | | 20 | 9 | --- |
| Sulfur | ppm | ASTM D5185m | | 27866 | 25056 | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 53.4 | 102 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP417901
Lab Number : 06099450
Unique Number : 10897680
Test Package : MOBCE

Received : 23 Feb 2024
Tested : 27 Feb 2024
Diagnosed : 27 Feb 2024 - Don Baldrige

365 - ASCENDUM MACHINERY INC - SAVANNAH
 54 MEDLINE DR
 RICHMOND HILL, GA
 US 31324
 Contact: JESSE WILSON
 jesse.wilson@ascendummachinery.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)

T:
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