



ASCENDUM

OIL ANALYSIS REPORT

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



Area
[ACG]
 Machine Id
VOLVO A30G 752040
 Component
Front Axle
 Fluid
VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | ASC0009244 | ASC0008760 | ASC0002512 |
| Sample Date | | Client Info | | 06 Jul 2024 | 19 Mar 2024 | 21 Nov 2023 |
| Machine Age | hrs | Client Info | | 5006 | 4480 | 4022 |
| Oil Age | hrs | Client Info | | 1000 | 500 | 4022 |
| Filter Age | hrs | Client Info | | 0 | 500 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Changed |
| Filter Changed | | Client Info | | N/A | Not Changd | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|------|
| Iron | ppm | ASTM D5185m | >900 | 79 | 157 | 231 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 2 | 3 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 1 | 3 |
| Titanium | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >30 | 0 | 8 | 1 |
| Lead | ppm | ASTM D5185m | >50 | 0 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >150 | 6 | 7 | 25 |
| Tin | ppm | ASTM D5185m | >20 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | MODER | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

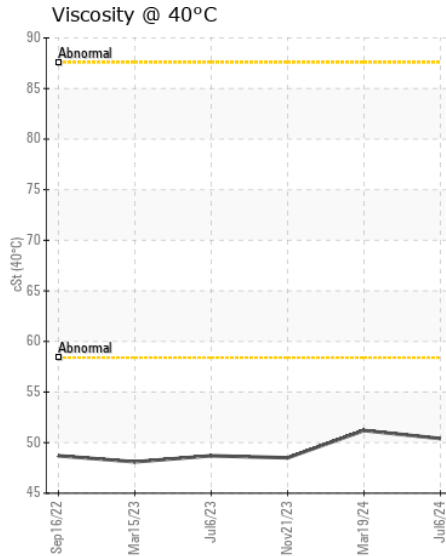
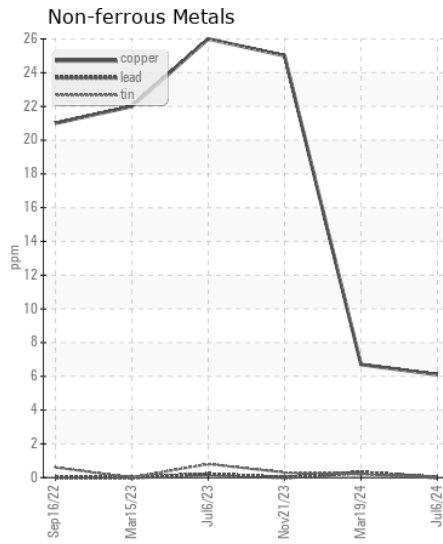
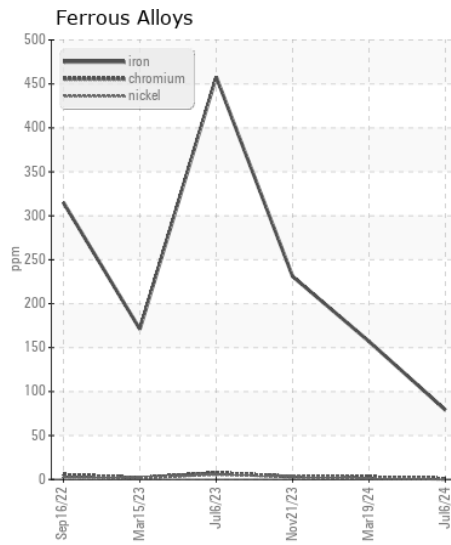
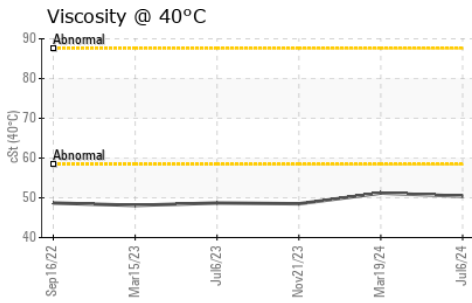
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 1 | 46 | 3 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 1 | <1 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | MODER | NONE | MODER |
| 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 | | 3 | <1 | 2 |
| Boron | ppm | ASTM D5185m | | 214 | 302 | 100 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 1 | 3 |
| Manganese | ppm | ASTM D5185m | | 2 | 4 | 6 |
| Magnesium | ppm | ASTM D5185m | | 3 | 2 | 2 |
| Calcium | ppm | ASTM D5185m | | 156 | 90 | 207 |
| Phosphorus | ppm | ASTM D5185m | | 2193 | 2041 | 1960 |
| Zinc | ppm | ASTM D5185m | | 66 | 64 | 130 |
| Sulfur | ppm | ASTM D5185m | | 27924 | 25017 | 22971 |
| Visc @ 40°C | cSt | ASTM D445 | | 50.4 | 51.2 | 48.5 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0009244
Lab Number : 06232621
Unique Number : 11116114
Test Package : CONST

Received : 10 Jul 2024
Tested : 11 Jul 2024
Diagnosed : 11 Jul 2024 - Wes Davis

113 - ASCENDUM MACHINERY INC - GARNER
 3561 JONES SAUSAGE ROAD
 GARNER, NC
 US 27529

Contact: TRENT BROADWELL
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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)

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