



ASCENDUM

OIL ANALYSIS REPORT

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



Machine Id
VOLVO A45GFS 352471
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 | | ASC0011070 | ASC0008682 | VCP441604 |
| Sample Date | | Client Info | | 18 Jun 2024 | 14 Feb 2024 | 20 Oct 2023 |
| Machine Age | hrs | Client Info | | 5030 | 4476 | 3990 |
| Oil Age | hrs | Client Info | | 1030 | 486 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Changed |
| Filter Changed | | Client Info | | N/A | N/A | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-------|
| Iron | ppm | ASTM D5185m | >900 | 90 | 70 | 307 |
| Chromium | ppm | ASTM D5185m | >20 | 1 | 1 | 3 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >30 | 2 | 0 | 0 |
| Lead | ppm | ASTM D5185m | >50 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >150 | <1 | <1 | 6 |
| Tin | ppm | ASTM D5185m | >20 | 0 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | MODER |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

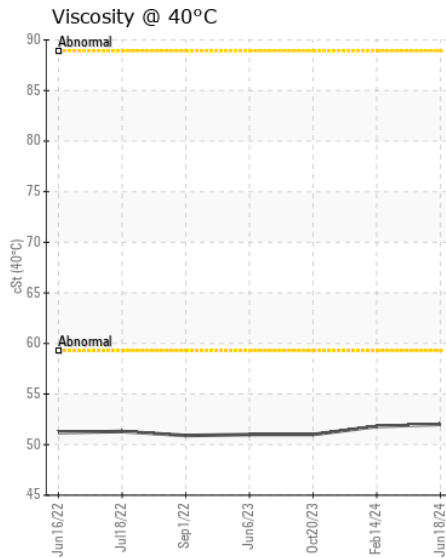
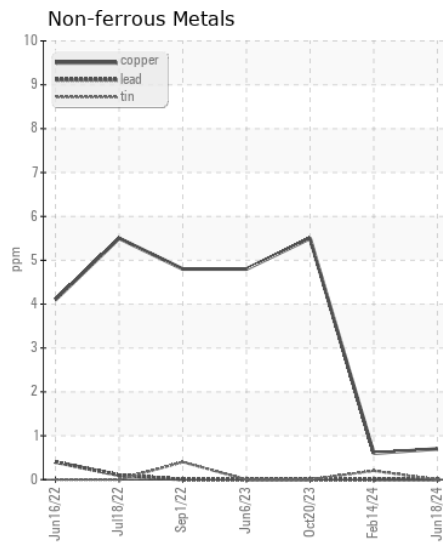
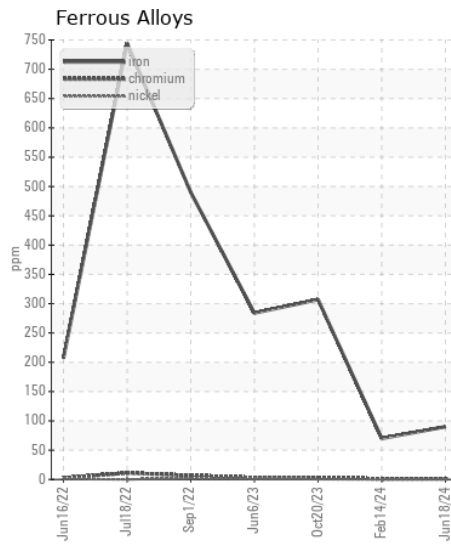
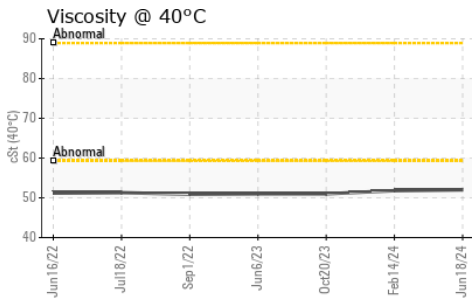
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 3 | 2 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 0 | 2 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | LIGHT | LIGHT | 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 | | <1 | 2 | 3 |
| Boron | ppm | ASTM D5185m | | 277 | 274 | 170 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 4 | 2 | 6 |
| Manganese | ppm | ASTM D5185m | | 3 | 3 | 11 |
| Magnesium | ppm | ASTM D5185m | | 3 | 0 | 0 |
| Calcium | ppm | ASTM D5185m | | 18 | 99 | 130 |
| Phosphorus | ppm | ASTM D5185m | | 2462 | 2377 | 2397 |
| Zinc | ppm | ASTM D5185m | | 17 | 29 | 70 |
| Sulfur | ppm | ASTM D5185m | | 26598 | 27117 | 27658 |
| Visc @ 40°C | cSt | ASTM D445 | | 52.0 | 51.8 | 51.0 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0011070
Lab Number : 06213876
Unique Number : 11086740
Test Package : CONST

Received : 18 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 Jun 2024 - Don Baldrige

BLYTHE CONSTRUCTION INC
 2911 N GRAHAM STREET
 CHARLOTTE, NC
 US 28231
 Contact: Service Manager

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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