



ASCENDUM

OIL ANALYSIS REPORT

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



Machine Id
VOLVO A45G 353449
Component
Brake Cooling System
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

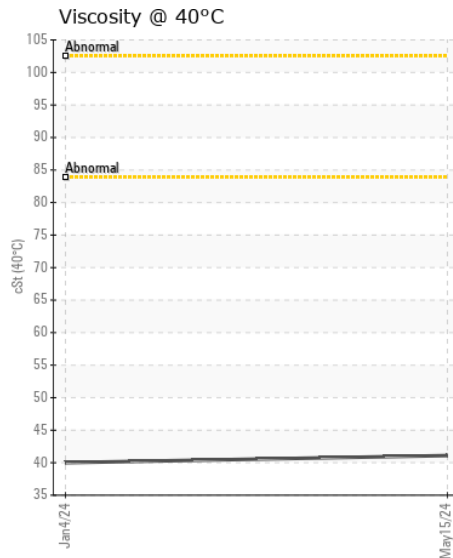
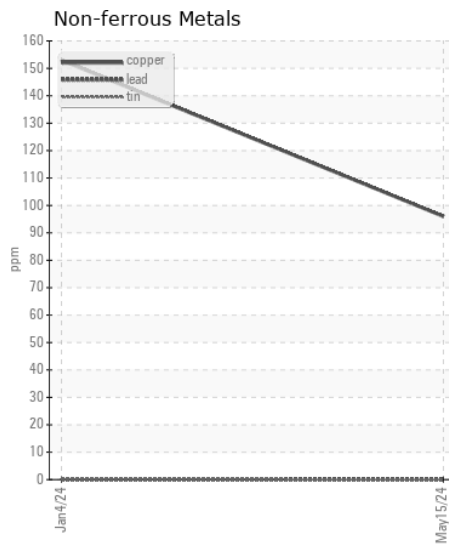
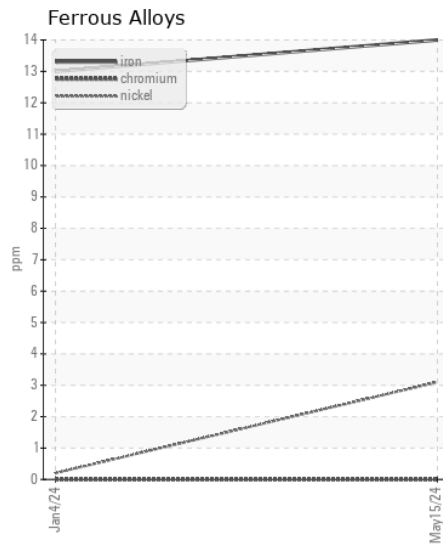
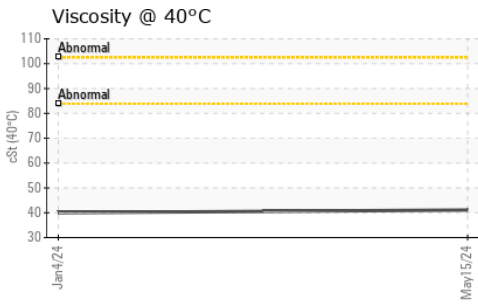
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|-------------|-----------|-------------|-------------|----------|
| Sample Number | | Client Info | | ASC0011496 | ASC0006331 | --- |
| Sample Date | | Client Info | | 15 May 2024 | 04 Jan 2024 | --- |
| Machine Age | hrs | Client Info | | 2042 | 1406 | --- |
| Oil Age | hrs | Client Info | | 2042 | 1406 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | N/A | N/A | --- |
| Filter Changed | | Client Info | | N/A | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |
| Iron | ppm | ASTM D5185m | >50 | 14 | 13 | --- |
| Chromium | ppm | ASTM D5185m | >20 | 0 | 0 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 3 | <1 | --- |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >30 | 0 | 2 | --- |
| Lead | ppm | ASTM D5185m | >50 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >200 | 96 | 153 | --- |
| Tin | ppm | ASTM D5185m | >20 | 0 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Silicon | ppm | ASTM D5185m | >50 | 14 | 12 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 2 | --- |
| 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 | --- |
| Sodium | ppm | ASTM D5185m | | 6 | 5 | --- |
| Boron | ppm | ASTM D5185m | | 119 | 104 | --- |
| Barium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | <1 | --- |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | | 4 | 14 | --- |
| Calcium | ppm | ASTM D5185m | | 3381 | 3233 | --- |
| Phosphorus | ppm | ASTM D5185m | | 1268 | 1285 | --- |
| Zinc | ppm | ASTM D5185m | | 1472 | 1497 | --- |
| Sulfur | ppm | ASTM D5185m | | 4247 | 4716 | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 41.1 | 40.0 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0011496
Lab Number : 06194346
Unique Number : 11056469
Test Package : CONST

Received : 29 May 2024
Tested : 31 May 2024
Diagnosed : 31 May 2024 - Angela Borella

117 - ASCENDUM MACHINERY INC - GREENVILLE
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 GREENVILLE, NC
 US 27834

Contact: HUNTER DOLIVE
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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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