



# ASCENDUM

## OIL ANALYSIS REPORT

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



Area  
**Ascendum Machinery/500 Hour CSA**  
Machine Id  
**VOLVO A45G 2363 (S/N A45GV752172)**  
Component  
**Transmission (Auto)**  
Fluid  
**DEXRON III (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.

| Test           | UOM | Method      | Limit/Abn | Current     | History1    | History2 |
|----------------|-----|-------------|-----------|-------------|-------------|----------|
| Sample Number  |     | Client Info |           | ASC0009418  | ASC0010280  | ---      |
| Sample Date    |     | Client Info |           | 16 Jul 2024 | 02 Apr 2024 | ---      |
| Machine Age    | hrs | Client Info |           | 1058        | 476         | ---      |
| Oil Age        | hrs | Client Info |           | 1058        | 476         | ---      |
| Filter Age     | hrs | Client Info |           | 1058        | 476         | ---      |
| Oil Changed    |     | Client Info |           | Not Changed | Not Changed | ---      |
| Filter Changed |     | Client Info |           | Changed     | Not Changed | ---      |
| Sample Status  |     |             |           | NORMAL      | NORMAL      | ---      |

### WEAR

All component wear rates are normal.

|              |        |             |      |      |      |     |
|--------------|--------|-------------|------|------|------|-----|
| Iron         | ppm    | ASTM D5185m | >160 | 0    | 1    | --- |
| Chromium     | ppm    | ASTM D5185m | >5   | 0    | <1   | --- |
| Nickel       | ppm    | ASTM D5185m | >5   | 0    | <1   | --- |
| Titanium     | ppm    | ASTM D5185m |      | 0    | <1   | --- |
| Silver       | ppm    | ASTM D5185m | >5   | 0    | <1   | --- |
| Aluminum     | ppm    | ASTM D5185m | >50  | 0    | 2    | --- |
| Lead         | ppm    | ASTM D5185m | >50  | 0    | 1    | --- |
| Copper       | ppm    | ASTM D5185m | >225 | 0    | <1   | --- |
| Tin          | ppm    | ASTM D5185m | >10  | 0    | 1    | --- |
| Vanadium     | ppm    | ASTM D5185m |      | 0    | <1   | --- |
| White Metal  | scalar | *Visual     | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual     | NONE | NONE | NONE | --- |

### CONTAMINATION

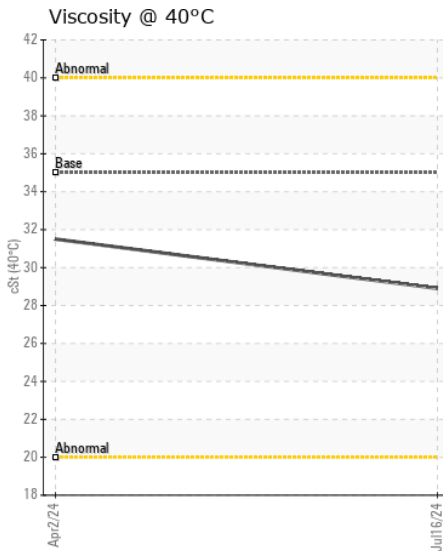
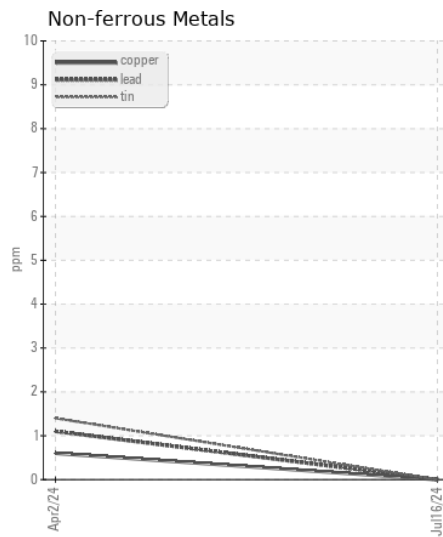
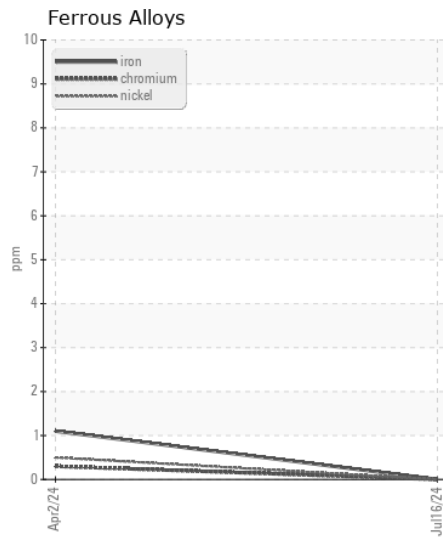
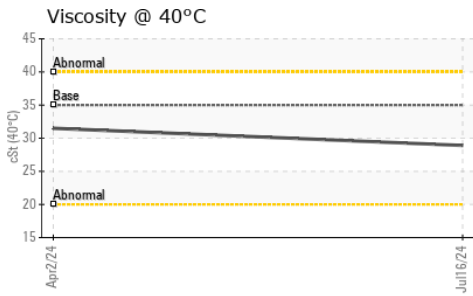
There is no indication of any contamination in the fluid.

|                  |        |             |       |       |       |     |
|------------------|--------|-------------|-------|-------|-------|-----|
| Silicon          | ppm    | ASTM D5185m | >20   | 1     | 3     | --- |
| Potassium        | ppm    | ASTM D5185m | >20   | 0     | 1     | --- |
| Water            |        | WC Method   | >0.1  | NEG   | NEG   | --- |
| Silt             | scalar | *Visual     | NONE  | NONE  | 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     | >0.1  | NEG   | NEG   | --- |

### FLUID CONDITION

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

|             |     |             |      |      |      |     |
|-------------|-----|-------------|------|------|------|-----|
| Sodium      | ppm | ASTM D5185m |      | 1    | 0    | --- |
| Boron       | ppm | ASTM D5185m |      | 86   | 101  | --- |
| Barium      | ppm | ASTM D5185m |      | 0    | 0    | --- |
| Molybdenum  | ppm | ASTM D5185m |      | 0    | <1   | --- |
| Manganese   | ppm | ASTM D5185m |      | 0    | <1   | --- |
| Magnesium   | ppm | ASTM D5185m |      | 0    | 2    | --- |
| Calcium     | ppm | ASTM D5185m |      | 75   | 88   | --- |
| Phosphorus  | ppm | ASTM D5185m |      | 198  | 224  | --- |
| Zinc        | ppm | ASTM D5185m |      | 0    | 5    | --- |
| Sulfur      | ppm | ASTM D5185m |      | 2173 | 2006 | --- |
| Visc @ 40°C | cSt | ASTM D445   | 35.0 | 28.9 | 31.5 | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : ASC0009418

**Lab Number** : 06240823

**Unique Number** : 11129657

**Test Package** : CONST

**Received** : 18 Jul 2024

**Tested** : 19 Jul 2024

**Diagnosed** : 19 Jul 2024 - Wes Davis

**G S MATERIALS INC**

PO BOX 1335

BURLINGTON, NC

US 27216

Contact: KAREN NEWPORT

Gsmaterials@windstream.net

T: (919)499-9322

F: (919)499-2097

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)