



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[702244 RENTAL]**  
 Machine Id  
**VOLVO A30G 753626**  
 Component  
**Hydraulic System**  
 Fluid  
**VOLVO SUPER HYDRAULIC OIL 46 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current     | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number  |     | Client Info |           | VCP451306   | ---      | ---      |
| Sample Date    |     | Client Info |           | 18 Apr 2024 | ---      | ---      |
| Machine Age    | hrs | Client Info |           | 727         | ---      | ---      |
| Oil Age        | hrs | Client Info |           | 0           | ---      | ---      |
| Filter Age     | hrs | Client Info |           | 0           | ---      | ---      |
| Oil Changed    |     | Client Info |           | Not Chngd   | ---      | ---      |
| Filter Changed |     | Client Info |           | Not Chngd   | ---      | ---      |
| Sample Status  |     |             |           | NORMAL      | ---      | ---      |

### WEAR

All component wear rates are normal.

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

### CONTAMINATION

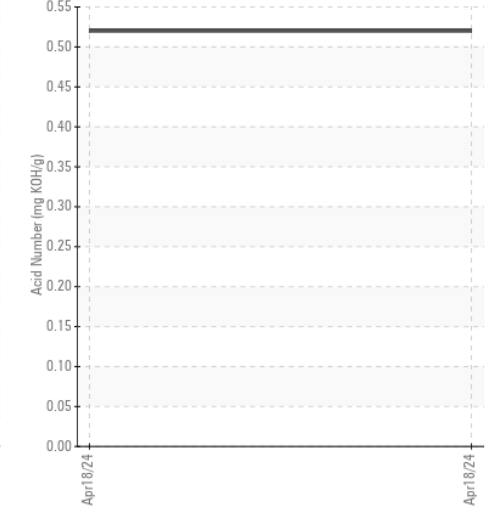
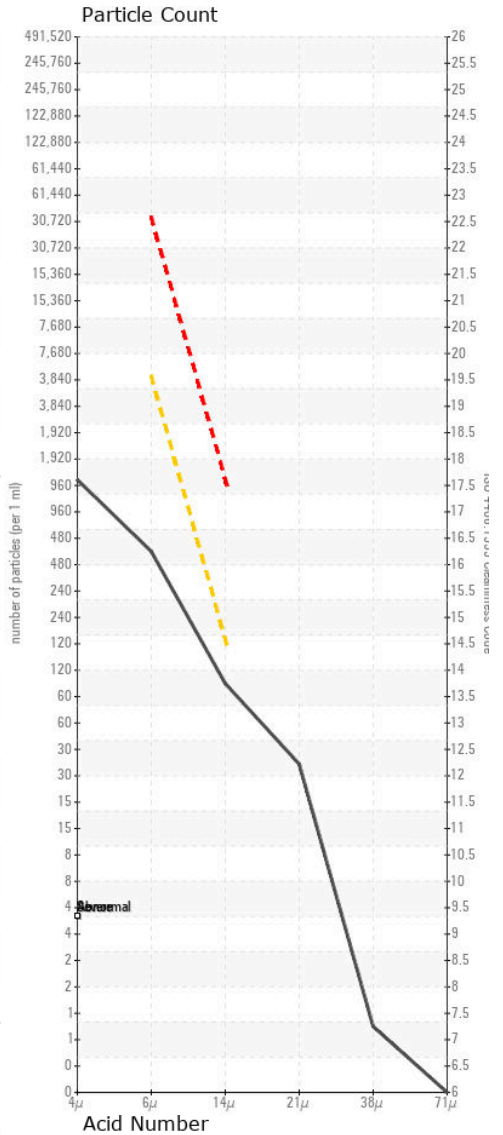
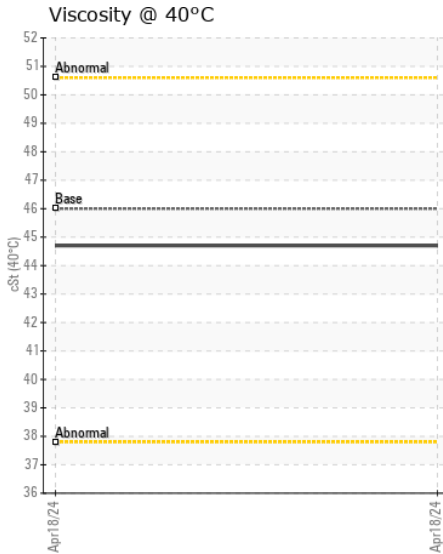
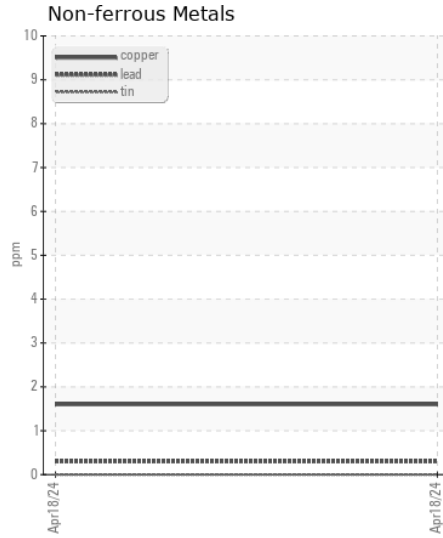
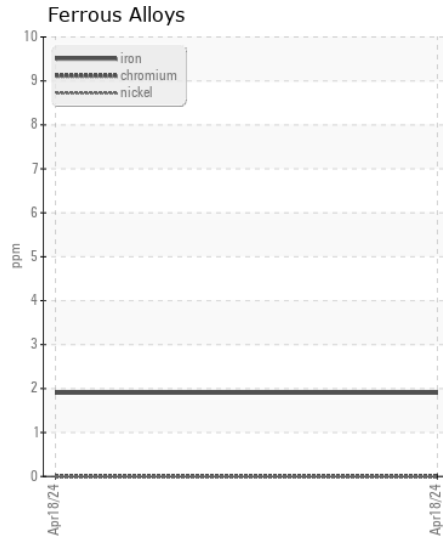
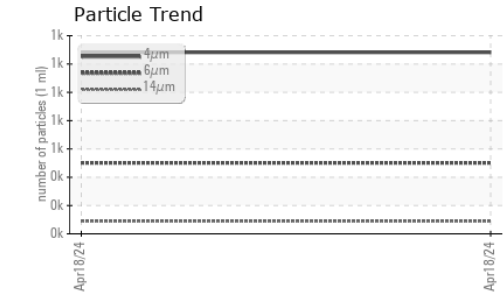
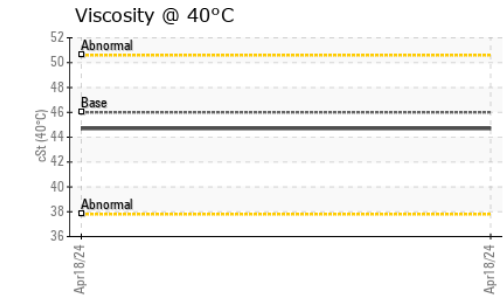
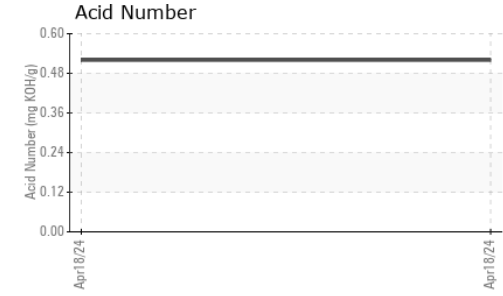
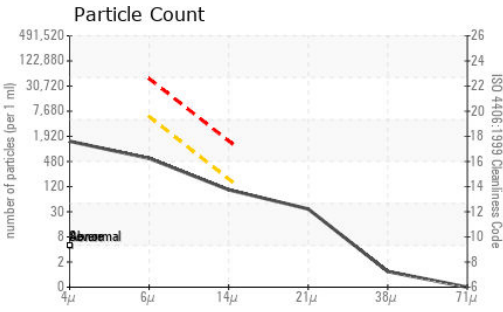
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

|                  |        |              |          |          |     |     |
|------------------|--------|--------------|----------|----------|-----|-----|
| Silicon          | ppm    | ASTM D5185m  | >20      | 2        | --- | --- |
| Potassium        | ppm    | ASTM D5185m  | >20      | 0        | --- | --- |
| Water            |        | WC Method    | >0.1     | NEG      | --- | --- |
| Particles >4µm   |        | ASTM D7647   |          | 1282     | --- | --- |
| Particles >6µm   |        | ASTM D7647   | >5000    | 501      | --- | --- |
| Particles >14µm  |        | ASTM D7647   | >160     | 89       | --- | --- |
| Particles >21µm  |        | ASTM D7647   | >40      | 31       | --- | --- |
| Particles >38µm  |        | ASTM D7647   | >10      | 1        | --- | --- |
| Particles >71µm  |        | ASTM D7647   | >3       | 0        | --- | --- |
| Oil Cleanliness  |        | ISO 4406 (c) | >-/19/14 | 17/16/14 | --- | --- |
| Silt             | scalar | *Visual      | NONE     | NONE     | --- | --- |
| Debris           | scalar | *Visual      | NONE     | NONE     | --- | --- |
| Sand/Dirt        | scalar | *Visual      | NONE     | NONE     | --- | --- |
| Appearance       | scalar | *Visual      | NORML    | NORML    | --- | --- |
| Odor             | scalar | *Visual      | NORML    | NORML    | --- | --- |
| Emulsified Water | scalar | *Visual      | >0.1     | NEG      | --- | --- |

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

|                  |          |             |      |      |     |     |
|------------------|----------|-------------|------|------|-----|-----|
| Sodium           | ppm      | ASTM D5185m |      | <1   | --- | --- |
| Boron            | ppm      | ASTM D5185m | 14   | 0    | --- | --- |
| Barium           | ppm      | ASTM D5185m | 0.0  | 0    | --- | --- |
| Molybdenum       | ppm      | ASTM D5185m | 0.0  | 0    | --- | --- |
| Manganese        | ppm      | ASTM D5185m | 0.0  | 0    | --- | --- |
| Magnesium        | ppm      | ASTM D5185m | 2.6  | <1   | --- | --- |
| Calcium          | ppm      | ASTM D5185m | 49   | 96   | --- | --- |
| Phosphorus       | ppm      | ASTM D5185m | 354  | 323  | --- | --- |
| Zinc             | ppm      | ASTM D5185m | 419  | 423  | --- | --- |
| Sulfur           | ppm      | ASTM D5185m | 3719 | 1841 | --- | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045  |      | 0.52 | --- | --- |
| Visc @ 40°C      | cSt      | ASTM D445   | 46   | 44.7 | --- | --- |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP451306  
**Lab Number** : 06155817  
**Unique Number** : 10991240  
**Test Package** : MOB 2

**Received** : 22 Apr 2024  
**Tested** : 23 Apr 2024  
**Diagnosed** : 23 Apr 2024 - Wes Davis

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
 8418 PALM RIVER ROAD  
 TAMPA, FL  
 US 33619  
 Contact: KENNY HANEY  
 khaney@flaglerce.com  
 T: (813)630-0077  
 F: (813)630-2233

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)