CONSTRUCTION EQUIPMENT X59119 VOLVO A25G 752694 - HYDRAULIC SYSTEM



Sample No:VCP441139Oil Type:AW HYDRAULIC OIL ISO 46Job No:X59119

# SAMPLE INFORMATION

VOLVO

| Sample Number    |          | VCP441139   |  |  |  |  |  |
|------------------|----------|-------------|--|--|--|--|--|
| Sample Date      |          | 17 Jan 2024 |  |  |  |  |  |
| Machine Hours    |          | 1805        |  |  |  |  |  |
| Oil Hours        |          | 1805        |  |  |  |  |  |
| Oil Changed      |          | Not Changd  |  |  |  |  |  |
| Sample Status    |          | NORMAL      |  |  |  |  |  |
|                  |          |             |  |  |  |  |  |
| OIL CONDITION    |          |             |  |  |  |  |  |
| Visc @ 40°C      | cSt      | 42.7        |  |  |  |  |  |
| Acid Number (AN) | mg KOH/g | 0.42        |  |  |  |  |  |
|                  |          |             |  |  |  |  |  |
| CONTAMIN         | ATION    |             |  |  |  |  |  |
| Water            | %        | NEG         |  |  |  |  |  |

| Water             | %   | NEG      | <br> |  |
|-------------------|-----|----------|------|--|
| Particles >4µm    |     | 2146     | <br> |  |
| Particles >6µm    |     | 385      | <br> |  |
| Particles >14µm   |     | 29       | <br> |  |
| ISO 4406:1999 (c) |     | 18/16/12 | <br> |  |
| Silicon           | ppm | 6        | <br> |  |
| Sodium            | ppm | 0        | <br> |  |
| Potassium         | ppm | <b>1</b> | <br> |  |
| Potassium         | ppm |          | <br> |  |

## 🎾 WEAR METALS

| ppm | 8   |  |  |  |
|-----|---|--|--|--|
| ppm | <b>4</b>  |  |  |  |
| ppm | 3   |  |  |  |
| ppm | <b>1</b>  |  |  |  |
| ppm | 2   |  |  |  |
| ppm |   |  |  |  |
| ppm | <b>1</b>  |  |  |  |
| ppm |   |  |  |  |
| ppm | <1  |  |  |  |
| ppm | 0   |  |  |  |
| ppm | □<1   |  |  |  |
| ppm | <1  |  |  |  |
|     | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ppm       4         ppm       3         ppm       1         ppm       2         ppm       <1 | ppm     4        ppm     3        ppm     1        ppm     2        ppm     <1 | ppm       4           ppm       3           ppm       1           ppm       2           ppm       <1 |

VOLVO

| Calcium    | ppm | 59       |  |  |  |
|------------|-----|----------|--|--|--|
| Magnesium  | ppm |          |  |  |  |
| Zinc       | ppm | 432      |  |  |  |
| Phosphorus | ppm | 310      |  |  |  |
| Barium     | ppm | <b>1</b> |  |  |  |
| Boron      | ppm | 0        |  |  |  |



SCOTT EQUIPMENT COMPANY LLC - Saint Rose

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### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.

All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 SCOSAI

 Unique No:
 10845012

 Signed:
 Wes Davis

 Report Date:
 24 Jan 2024

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO

#### Ferrous Alloys Particle Count 10 <del>-</del> 491,520 -26 iron 9 chromium 245,760 -25 nickel 8 122,880 -24 61,440 -23 ß mdo E, 30,720 -22 15,360 -21 7.680 20 3,840 -19 Ω 1,920 -18 🛛 Jan 17/24 nber of particles (per 1 ml) Jan 17/24 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q m lead 14 tin 120 8 -13 60 6 30 12 mdo 5 15 11 2 10 8 ema 2 Ω Jan 17/24 Jan 17/24 0, 21µ 38µ 14µ Viscosity @ 40°C Acid Number 52-1.00 T Abnormal 51 Abnorma 0.90 50 49 0.80 (B/HO) 0.60 0.60 KOH/8) 0.50 0.40 48 47 cSt (40°C) 46 45 44 Acid 1 43 Abnorma 42 0.20 41 Abnormal 0.10 40 39 0.00-Jan17/24 Jan 17/24 Jan 17/24 Jan 17/24

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Contact/Location: DANA FOSHEE - SCOSAI