**CONSTRUCTION EQUIPMENT** 8000277406 VOLVO L30GS 3224376 - HYDRAULIC SYSTEM

Sample No: VCP380636 **Oil Type: VOLVO SUPER HYDRAULIC OIL 46** Job No: 8000277406

## SAMPLE INFORMATION

VOLVO

| Sample Number     | -      | VCP380636    | <br> |  |
|-------------------|--------|--------------|------|--|
| Sample Date       |        | 13 Mar 2021  | <br> |  |
| Machine Hours     |        | 1471         | <br> |  |
| Oil Hours         |        | 0            | <br> |  |
| Oil Changed       |        | Changed      | <br> |  |
| Sample Status     |        | NORMAL       | <br> |  |
|                   |        |              |      |  |
| VOLVO             |        |              |      |  |
| V OIL CONDI       | IIUN   |              |      |  |
| Visc @ 40°C       | cSt    | 32.0         | <br> |  |
|                   |        |              |      |  |
| CONTAMIN          |        |              |      |  |
|                   | TATION |              |      |  |
| Particles >4µm    |        | 9025         | <br> |  |
| Particles >6µm    |        | 278          | <br> |  |
| Particles >14µm   |        | 26           | <br> |  |
| ISO 4406:1999 (c) |        | 20/15/12     | <br> |  |
| Silicon           | ppm    | 5            | <br> |  |
| Sodium            | ppm    | ∎1           | <br> |  |
| Potassium         | ppm    | <b>  </b> <1 | <br> |  |
|                   |        |              |      |  |

| VOLVO      |          |             |      |  |
|------------|----------|-------------|------|--|
| WEAR M     | ACTAL C  |             |      |  |
| WEAR P     | IE I ALS |             |      |  |
| Iron       | ppm      | 8           | <br> |  |
| Copper     | ppm      | <b>4</b>    | <br> |  |
| Lead       | ppm      | 2           | <br> |  |
| Tin        | ppm      |             | <br> |  |
| Aluminum   | ppm      | 2           | <br> |  |
| Chromium   | ppm      |             | <br> |  |
| Molybdenum | ppm      | 0           | <br> |  |
| Nickel     | ppm      | <b>□</b> <1 | <br> |  |
| Titanium   | ppm      | 0           | <br> |  |
| Silver     | ppm      | <1          | <br> |  |
| Manganese  | ppm      | □<1         | <br> |  |
| Vanadium   | ppm      | 0           | <br> |  |

| ADDITIVES  |     |            |  |  |  |  |  |
|------------|-----|------------|--|--|--|--|--|
| Calcium    | ppm | 43         |  |  |  |  |  |
| Magnesium  | ppm | 2          |  |  |  |  |  |
| Zinc       | ppm | 427        |  |  |  |  |  |
| Phosphorus | ppm | 319        |  |  |  |  |  |
| Barium     | ppm | <b></b> <1 |  |  |  |  |  |
| Boron      | ppm |            |  |  |  |  |  |



#### **STRONGCO EQUIP (AB)**

6 - 38403 BURNT LAKE TRAIL RED DEER COUNTY, AB CA T4S 2L4 Contact: Perry Doyle pdoyle@strongco.com T: (403)346-3473 F: (403)346-3487

### Diagnosis

Resample at the next service interval to monitor.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. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: VOLVO9652 Unique No: 5189044 Signed: Kevin Marson Report Date: 17 Mar 2021

Report Id: VOLVO9652 [WCAMIS] 02409567 (Generated: 09/19/2023 10:36:06) Rev: 1

Contact/Location: Perry Doyle - VOLVO9652

# **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 mda E, 30,720 -22 15,360 -21 7,680 20 3,840 -19 0. 1,920 -18 🛛 Mar13/21 nber of particles (per 1 ml) Mar13/21 4406:1999 Cleanlines: 960 17 Non-ferrous Metals 16 480 10 15 copper 240 q lead -14 6 tin 120 8 -13 60 6 30 12 mdo 5 15 -11 3 10 8 ema ...... ..... 9 2 8 0 Mar13/21 Mar13/21 0<sub>4</sub>+ 4µ 21µ 14µ 38µ Viscosity @ 40°C 52 Abnormal 50 48 Base 46 44 () 42 (+) 42 ty 40 Abnormal 38 36 34 32 30 Mar13/21 Mar13/2

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