CONSTRUCTION EQUIPMENT SW0-069177 TAKEUCHI TL6 406001662 - REAR LEFT FINAL DRI

 Sample No:
 VCP444471

 Oil Type:
 VOLVO PREMIUM GEAR OIL 85W-140 GL-5

 Job No:
 SWO-069177

VOLVO

SAMPLE INFORMATION VCP444471 Sample Number VCP380773 VCP372892 VCP357818 Sample Date 20 Feb 2024 10 Jan 2023 10 Jul 2022 29 Mar 2022 Machine Hours 3140 3027 2241 1812 **Oil Hours** 0 0 0 0 Oil Changed Changed Changed Changed Changed Sample Status SEVERE ATTENTION ABNORMAL SEVERE **OIL CONDITION** Visc @ 40°C cSt **6** 5228 157 338 274 CONTAMINATION Water % **0.409** NEG NEG NEG Silicon **2044** 14 111 A 95 ppm Sodium 48 3 ppm 2 4 12 Potassium ppm 288 0 15 WEAR METALS **4** 9424 Iron ppm 353 **1**194 **1**558 Copper ppm 21 <1 6 □3 Lead ppm 2 0 < 1</p> 0 Tin ppm 2 < 1 | <1 <1

Aluminum 582 2 39 27 ppm **1**3 Chromium **4** 97 4 **1**1 ppm Molybdenum ppm 14 < 1 1 3 Nickel **16** □ < 1 3 ppm 2 Titanium 37 <1 2 2 ppm Silver 0 0 <1 0 ppm 11 Manganese ppm 82 4 8 Vanadium ppm 1 0 0 0

| ADDITIVES | | | | | | |
|------------|-----|------|-----|-----|-----|--|
| Calcium | ppm | 4943 | 18 | 517 | 536 | |
| Magnesium | ppm | 1133 | 2 | 101 | 97 | |
| Zinc | ppm | 98 | 0 | 22 | 58 | |
| Phosphorus | ppm | 812 | 243 | 504 | 899 | |
| Barium | ppm | 7 | 0 | 0 | 0 | |
| Boron | ppm | 120 | 4 | 71 | 117 | |



WHITAKER CONTRACTING

692 CONVICT CAMP RD GUNTERSVILLE, AL US 35976 Contact: BROTHER WHITAKER BrotherWhitaker@whitaker-contracting.com T: (256)298-3905 F:

Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. There is a moderate concentration of water present in the oil. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

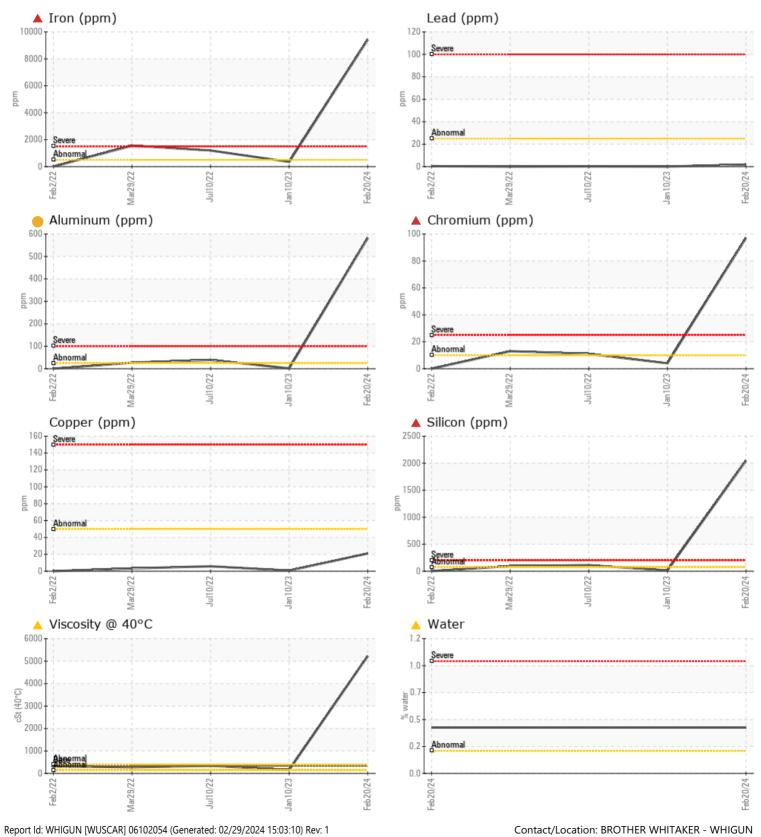
| Depot: | WHIGUN | | |
|--------------|-----------------|--|--|
| Unique No: | 10900284 | | |
| Signed: | Jonathan Hester | | |
| Report Date: | 29 Feb 2024 | | |

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: BROTHER WHITAKER - WHIGUN