CONSTRUCTION EQUIPMENT SW-32644-2 TEAR-PART VOLVO EC160E 310416 - SWING DRIVE

Sample No: VCP446804

VOLVO

Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5 Job No: SW-32644-2 TEAR-PART

SAMPLE INFORMATION

| Sample Number | - | VCP446804 | VCP346044 | |
|---------------|----------|-------------|-------------|------|
| Sample Date | | 11 Apr 2024 | 07 Feb 2022 | |
| Machine Hours | | 2929 | 1995 | |
| Oil Hours | | 1000 | 1995 | |
| Oil Changed | | Changed | Changed | |
| Sample Status | | NORMAL | NORMAL | |
| | | | | |
| OIL CON | DITION | | | |
| Visc @ 40°C | cSt | 138 | 150 | |
| VISC @ 40 C | CSL | 150 | 150 | |
| VOLVO | | | | |
| CONTAN | AINATION | | | |
| Water | % | NEG | NEG | |
| Silicon | ppm | 11 | 26 | |
| Sodium | ppm | 1 | 2 | |
| Potassium | ppm | 3 | 4 | |
| | | | | |
| WEAR N | AETAIC | | | |
| | | | | |
| Iron | ppm | 228 | 687 | |
| Copper | ppm | 1 2 | 87 | |
| Lead | ppm | 2 | <1 | |
| Tin | ppm | 1 | 1 | |
| Aluminum | ppm | ∎1 | 5 | |
| Chromium | ppm | 3 | 10 | |
| Molybdenum | ppm | 2 | 2 | |
| Nickel | ppm | 1 | 1 | |
| Titanium | ppm | <1 | <1 | |
| Silver | ppm | <1 | 0 | |
| Manganese | ppm | ■4 | 11 | |
| Vanadium | ppm | <1 | 0 | |
| | | | | |



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Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

| ADDITIVES | | | | | | | | |
|------------|-----|------------|-------------|--|--|--|--|--|
| Calcium | ppm | 22 | 21 | | | | | |
| Magnesium | ppm | 4 | 12 | | | | | |
| Zinc | ppm | 45 | 121 | | | | | |
| Phosphorus | ppm | 1489 | 505 | | | | | |
| Barium | ppm | <1 | < 1 | | | | | |
| Boron | ppm | 131 | 2 | | | | | |

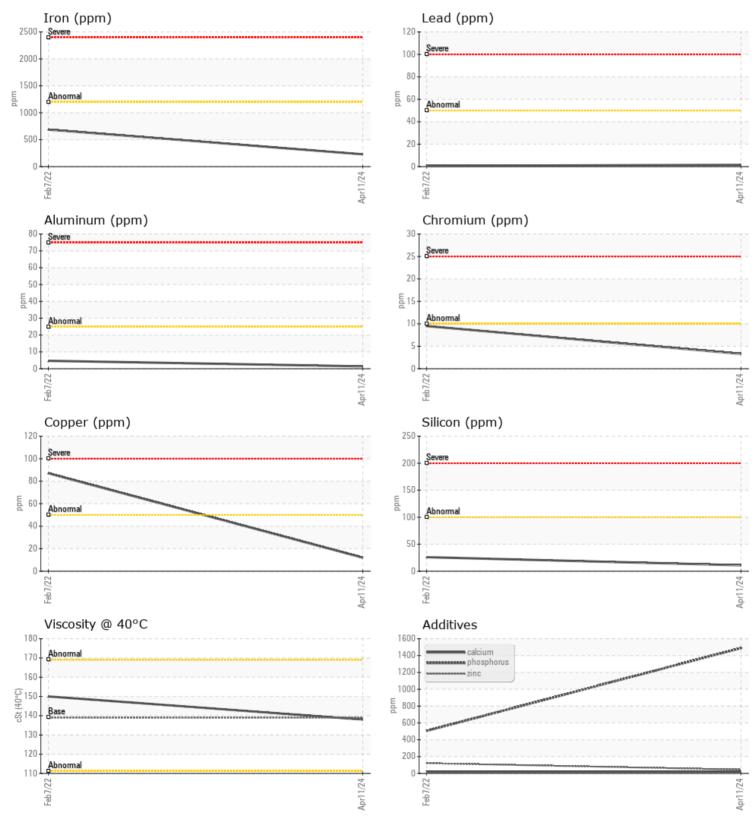
Depot: VOLV08770 Unique No: 10982424 Signed: Wes Davis Report Date: 18 Apr 2024 Contact/Location: TONY PAYAN - VOLVO8770

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8770 [WUSCAR] 06152346 (Generated: 04/18/2024 16:53:48) Rev: 1

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