CONSTRUCTION EQUIPMENT SW1027019 WESTERN OR VOLVO 631989 - DIESEL ENGINE

Sample No:VCP441352Oil Type:DIESEL ENGINE OIL SAE 15W40

Titanium

Manganese

Vanadium

Calcium

Zinc

Barium

Magnesium

Phosphorus

Silver

VOLVO

Job No: SW1027019 WESTERN OR

| | FORMATION | | | |
|------------------|-----------|-------------------|------|--|
| Sample Number | | VCP441352 | | |
| Sample Date | | 02 Dec 2023 | | |
| Machine Hours | | 3001 | | |
| Oil Hours | | 0 | | |
| Oil Changed | | Changed | | |
| Sample Status | | ABNORMAL | | |
| | | | | |
| VOLVO | | | | |
| OIL CONDI | IIUN | | | |
| Visc @ 100°C | cSt | 13.8 | | |
| Base Number (BN) | | 5.6 | | |
| Oxidation (PA) | % | 104 | | |
| | | | | |
| | ATION | | | |
| Water | % | NEG | | |
| Soot % | % | 1.2 | | |
| Nitration (PA) | % | 103 | | |
| Sulfation (PA) | % | 74 | | |
| Glycol | % | NEG | | |
| Fuel | % | <1.0 | | |
| Silicon | ppm | 18 | | |
| Sodium | ppm | 6 | | |
| Potassium | ppm | 4 | | |
| | | _ | | |
| VOLVO | | | | |
| WEAR ME | TALS | | | |
| Iron | ppm | A 110 | | |
| Copper | ppm | 28 | | |
| Lead | ppm | 9 | | |
| Tin | ppm | 4 | | |
| Aluminum | ppm | <mark>▲</mark> 80 | | |
| Chromium | ppm | 7 | | |
| Molybdenum | ppm | 6 3 | | |
| Nickel | ppm | <1 | | |

ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: RANDY PRZEKURAT randyp@arnoldmachinery.com T: F: (602)414-1904

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.Piston, ring and cylinder wear is indicated. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO6174

 Unique No:
 10780127

 Signed:
 Don Baldridge

 Report Date:
 13 Dec 2023

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1863

436

1287

ppm

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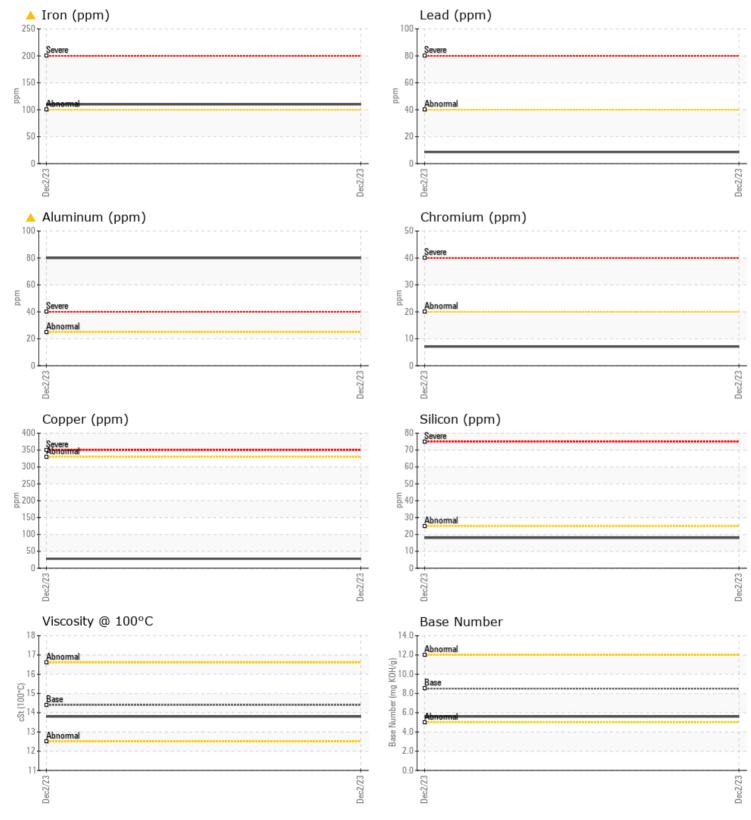
ADDITIVES

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: RANDY PRZEKURAT - VOLVO6174