



CONSTRUCTION EQUIPMENT

SPM568158 WM CR LAKE VOLVO L150H 7152 - FRONT AXLE



Sample No: VCP409350
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: SPM568158 WM CR LAKE



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP409350 | VCP416580 | VCP405961 | VCP410960 |
| Sample Date | 05 Jul 2023 | 25 May 2023 | 24 Apr 2023 | 06 Mar 2023 |
| Machine Hours | 1396 | 1087 | 867 | 487 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Not Chngd | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 40.5 | 40.8 | 41.0 | 40.7 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|----|----|
| Silicon | ppm | 20 | 16 | 16 | 13 |
| Sodium | ppm | 11 | 11 | 11 | 7 |
| Potassium | ppm | 2 | 1 | 2 | 4 |

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.



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|----|
| Iron | ppm | 210 | 144 | 127 | 82 |
| Copper | ppm | 1 | 1 | 0 | 1 |
| Lead | ppm | 0 | 0 | 0 | <1 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 2 | 1 | 2 | 2 |
| Chromium | ppm | 4 | 3 | 3 | 3 |
| Molybdenum | ppm | 9 | 8 | 8 | 8 |
| Nickel | ppm | <1 | <1 | 0 | <1 |
| Titanium | ppm | <1 | <1 | 0 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 10 | 8 | 8 | 8 |
| Vanadium | ppm | <1 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 4050 | 3760 | 3971 | 4007 |
| Magnesium | ppm | 15 | 14 | 13 | 11 |
| Zinc | ppm | 1654 | 1530 | 1609 | 1559 |
| Phosphorus | ppm | 1343 | 1226 | 1346 | 1303 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 131 | 136 | 135 | 118 |

Depot: VOLVO8885
Unique No: 10560811
Signed: Wes Davis
Report Date: 17 Jul 2023



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VOLVO GRAPHS

