



CONSTRUCTION EQUIPMENT

VOLVO A25G 742123 - FRONT AXLE



Sample No: VCP415659
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP415659 | VCP415506 | VCP358079 | VCP236776 |
| Sample Date | 05 Jul 2023 | 22 Jun 2023 | 30 Mar 2022 | 10 May 2019 |
| Machine Hours | 0 | 5812 | 5171 | 581 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | N/A | Not Chngd | Changed |
| Sample Status | NORMAL | ABNORMAL | ABNORMAL | ABNORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 53.1 | 55.3 | 57.2 | 62.0 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|------|----|----|
| Silicon | ppm | 6 | ▲ 74 | 10 | 2 |
| Sodium | ppm | 2 | 4 | 2 | 3 |
| Potassium | ppm | <1 | 9 | 0 | <1 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|------|-------|-----|
| Iron | ppm | 69 | 624 | 127 | 135 |
| Copper | ppm | 7 | 11 | ▲ 151 | 18 |
| Lead | ppm | 0 | 0 | 1 | 0 |
| Tin | ppm | 0 | <1 | 1 | <1 |
| Aluminum | ppm | <1 | ▲ 12 | 3 | <1 |
| Chromium | ppm | <1 | 11 | 2 | 4 |
| Molybdenum | ppm | 4 | 52 | <1 | 7 |
| Nickel | ppm | <1 | 4 | 2 | 1 |
| Titanium | ppm | <1 | 2 | 0 | 0 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | 4 | 34 | 2 | 13 |
| Vanadium | ppm | 0 | <1 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 68 | 88 | 2015 | 32 |
| Magnesium | ppm | 4 | <1 | 6 | 0 |
| Zinc | ppm | 41 | 33 | 860 | 6 |
| Phosphorus | ppm | 2146 | 2494 | 1291 | 1261 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 281 | 395 | 180 | 176 |

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. Confirm oil type. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0013
Unique No: 10548926
Signed: Don Baldrige
Report Date: 11 Jul 2023



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GRAPHS

