



CONSTRUCTION EQUIPMENT

SWA426979 VOLVO A40G 341404 - BOGIE/CENTER AXLE



Sample No: VCP434323
Oil Type: VOLVO API GL-5 SAE 75W90
Job No: SWA426979



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP434323 | VCP433410 | VCP226023 | VCP230984 |
| Sample Date | 04 Nov 2023 | 03 Oct 2023 | 28 Jan 2019 | 09 Aug 2018 |
| Machine Hours | 8118 | 8091 | 4180 | 4020 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | N/A | Not Changd | N/A | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-------|------|
| Visc @ 40°C | cSt | 110 | 113 | 51.98 | 52.3 |
|-------------|-----|------------|-----|-------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|---|---|
| Silicon | ppm | 17 | 16 | 1 | 2 |
| Sodium | ppm | 3 | 1 | 2 | 3 |
| Potassium | ppm | 1 | 2 | 0 | 1 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|----|----|
| Iron | ppm | 171 | 162 | 45 | 66 |
| Copper | ppm | 8 | 0 | <1 | <1 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 4 | 6 | <1 | 0 |
| Chromium | ppm | 2 | 2 | <1 | 1 |
| Molybdenum | ppm | <1 | 0 | <1 | <1 |
| Nickel | ppm | <1 | <1 | <1 | <1 |
| Titanium | ppm | 0 | <1 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 3 | 3 | 2 | 3 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 29 | 23 | 10 | 13 |
| Magnesium | ppm | 7 | 7 | <1 | 0 |
| Zinc | ppm | 71 | 45 | 10 | 11 |
| Phosphorus | ppm | 1967 | 2218 | 2306 | 2078 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 110 | 111 | 284 | 282 |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The wear metal levels do not reflect the reported failure. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO2990
Unique No: 10740969
Signed: Don Baldrige
Report Date: 16 Nov 2023



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VOLVO GRAPHS

