



CONSTRUCTION EQUIPMENT

SWO-070332 VOLVO A45G 352705 - BRAKE



Sample No: VCP452423
Oil Type: VOLVO WB 101
Job No: SWO-070332



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP452423 | VCP427234 | VCP383493 | VCP380531 |
| Sample Date | 12 Mar 2024 | 09 Aug 2023 | 14 Apr 2023 | 17 Jan 2023 |
| Machine Hours | 5950 | 4958 | 4480 | 3993 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Not Changd | Not Changd | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

SAIIA CONSTRUCTION LLC

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 43.3 | 43.7 | 44.3 | 41.3 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----------|-----|-----|-----|
| Silicon | ppm | 15 | 18 | 18 | 22 |
| Sodium | ppm | 6 | 1 | 8 | 11 |
| Potassium | ppm | 0 | 2 | 0 | 0 |

Diagnosis

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



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 24 | 34 | 37 | 48 |
| Copper | ppm | 91 | 79 | 69 | 92 |
| Lead | ppm | <1 | <1 | 0 | 2 |
| Tin | ppm | 0 | 0 | 0 | <1 |
| Aluminum | ppm | <1 | 2 | 1 | 1 |
| Chromium | ppm | 0 | <1 | 1 | 2 |
| Molybdenum | ppm | 1 | 3 | 3 | <1 |
| Nickel | ppm | 4 | 5 | 5 | 7 |
| Titanium | ppm | 0 | <1 | 0 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | 1 | 2 | 2 |
| Vanadium | ppm | 0 | 0 | <1 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 2850 | 3336 | 3713 | 3457 |
| Magnesium | ppm | 23 | 25 | 24 | 13 |
| Zinc | ppm | 1332 | 1416 | 1604 | 1509 |
| Phosphorus | ppm | 1071 | 1214 | 1293 | 1192 |
| Barium | ppm | 0 | 2 | 0 | 0 |
| Boron | ppm | 89 | 112 | 124 | 115 |

Depot: SAIBIR
Unique No: 10930009
Signed: Don Baldrige
Report Date: 20 Mar 2024



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VOLVO GRAPHS

