



CONSTRUCTION EQUIPMENT

SWO-063332 VOLVO A30G 752677 - FRONT AXLE



Sample No: VCP424731
Oil Type: NOT GIVEN
Job No: SWO-063332



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP424731 | VCP369495 | VCP363638 | --- |
| Sample Date | 23 Jun 2023 | 18 Nov 2022 | 11 Aug 2022 | --- |
| Machine Hours | 2405 | 915 | 434 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Not Chngd | Not Chngd | Not Chngd | --- |
| Sample Status | NORMAL | NORMAL | ABNORMAL | --- |

SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD
BIRMINGHAM, AL
US 35207

Contact: STEPHANI BRITTON
sbritton@saiia.com;doug.bogart@wearcheck.com
T: (205)943-2268
F: (205)943-2269



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | 87.5 | 87.7 | 88.6 | --- |
|-------------|-----|-------------|------|------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|----------|----|---|-----|
| Silicon | ppm | 5 | 4 | 6 | --- |
| Sodium | ppm | 0 | <1 | 0 | --- |
| Potassium | ppm | 2 | 0 | 3 | --- |



WEAR METALS

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Iron | ppm | 279 | 278 | 162 | --- |
| Copper | ppm | 29 | 27 | 21 | --- |
| Lead | ppm | 0 | 0 | 0 | --- |
| Tin | ppm | 1 | <1 | <1 | --- |
| Aluminum | ppm | 0 | <1 | 2 | --- |
| Chromium | ppm | 5 | 5 | 3 | --- |
| Molybdenum | ppm | 17 | 17 | 11 | --- |
| Nickel | ppm | 3 | 3 | <1 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 11 | 10 | 8 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 851 | 866 | 905 | --- |
| Magnesium | ppm | 2 | 2 | 1 | --- |
| Zinc | ppm | 370 | 366 | 392 | --- |
| Phosphorus | ppm | 1278 | 1275 | 1354 | --- |
| Barium | ppm | 1 | 1 | 7 | --- |
| Boron | ppm | 250 | 223 | 266 | --- |

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.

Depot: SAIBIR
Unique No: 10536402
Signed: Don Baldrige
Report Date: 02 Jul 2023



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GRAPHS

