



CONSTRUCTION EQUIPMENT

SWO-066739 VOLVO A45G 352698 - TANK BRAKE



Sample No: VCP427468
Oil Type: NOT GIVEN
Job No: SWO-066739



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP427468 | VCP406869 | VCP410136 | VCP367719 |
| Sample Date | 23 Oct 2023 | 07 Aug 2023 | 16 May 2023 | 17 Jan 2023 |
| Machine Hours | 5103 | 4553 | 4038 | 3513 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Changd | Not Changd | Changed | Not Changd |
| Sample Status | NORMAL | 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 | 45.4 | 43.4 | 40.2 | 37.5 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|----|----|
| Silicon | ppm | 18 | 18 | 20 | 21 |
| Sodium | ppm | 4 | 5 | 9 | 11 |
| Potassium | ppm | 3 | 2 | 2 | 0 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 26 | 25 | 35 | 41 |
| Copper | ppm | 170 | 155 | 194 | 198 |
| Lead | ppm | 0 | 0 | 0 | 4 |
| Tin | ppm | <1 | 0 | 0 | <1 |
| Aluminum | ppm | 1 | 3 | 1 | 1 |
| Chromium | ppm | <1 | <1 | 1 | 1 |
| Molybdenum | ppm | 3 | 3 | <1 | <1 |
| Nickel | ppm | 6 | 6 | 7 | 7 |
| Titanium | ppm | <1 | 0 | <1 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 1 | 1 | 2 | 2 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3204 | 3289 | 3408 | 3375 |
| Magnesium | ppm | 24 | 24 | 9 | 12 |
| Zinc | ppm | 1444 | 1413 | 1499 | 1457 |
| Phosphorus | ppm | 1291 | 1209 | 1234 | 1150 |
| Barium | ppm | 0 | 2 | 0 | 0 |
| Boron | ppm | 111 | 118 | 105 | 113 |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.

Depot: SAIBIR
Unique No: 10715035
Signed: Sean Felton
Report Date: 31 Oct 2023

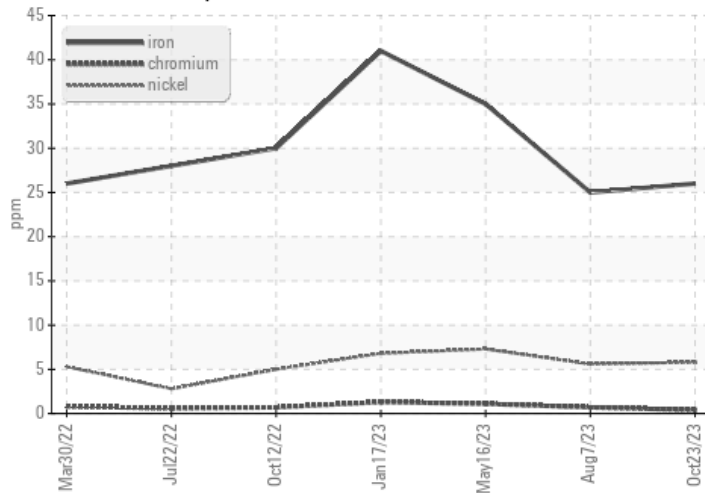


CONSTRUCTION EQUIPMENT

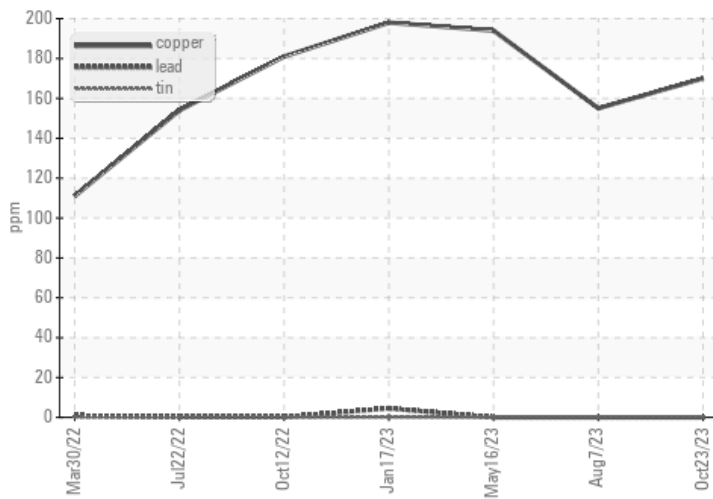


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

