



CONSTRUCTION EQUIPMENT

SWO-072403 VOLVO A60H 340044 - TRANSMISSION



Sample No: VCP439800
Oil Type: {unknown}
Job No: SWO-072403



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP439800 | VCP441301 | VCP388402 | VCP414076 |
| Sample Date | 31 May 2024 | 01 Feb 2024 | 21 Aug 2023 | 04 Aug 2023 |
| Machine Hours | 9784 | 9302 | 8811 | 8791 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Not Changd | Not Changd | Not Changd |
| Sample Status | ABNORMAL | NORMAL | ABNORMAL | 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 | 85.0 | 90.0 | 90.3 | 86.3 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 6 | 4 | 5 | 7 |
| Sodium | ppm | 2 | 0 | <1 | 0 |
| Potassium | ppm | 0 | 1 | 1 | 2 |

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of visible silt present in the sample. The condition of the fluid is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 8 | 3 | 8 | 14 |
| Copper | ppm | 1 | <1 | 2 | 8 |
| Lead | ppm | 0 | 0 | 0 | <1 |
| Tin | ppm | 0 | 0 | 0 | <1 |
| Aluminum | ppm | 3 | 2 | 2 | 7 |
| Chromium | ppm | <1 | <1 | 0 | 0 |
| Molybdenum | ppm | 47 | 45 | 49 | 35 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | <1 |
| Silver | ppm | <1 | 0 | 3 | 13 |
| Manganese | ppm | <1 | 0 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 1608 | 1548 | 1214 | 1794 |
| Magnesium | ppm | 513 | 525 | 706 | 468 |
| Zinc | ppm | 1066 | 1102 | 1081 | 1059 |
| Phosphorus | ppm | 946 | 816 | 955 | 925 |
| Barium | ppm | 0 | 5 | 0 | 2 |
| Boron | ppm | 90 | 74 | 32 | 85 |

Depot: SAIBIR
Unique No: 11071166
Signed: Jonathan Hester
Report Date: 12 Jun 2024

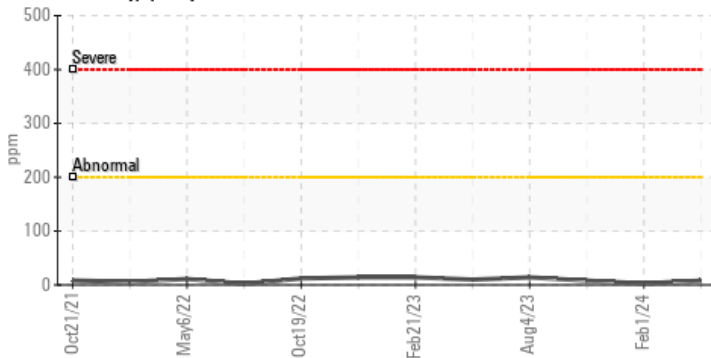


CONSTRUCTION EQUIPMENT

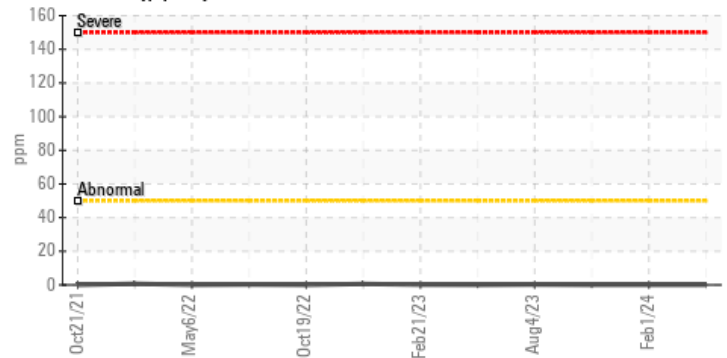


GRAPHS

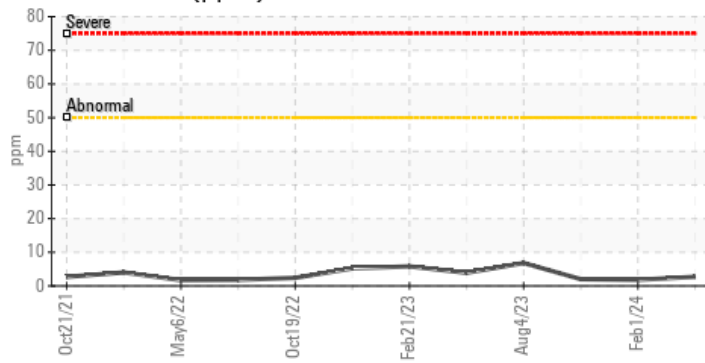
Iron (ppm)



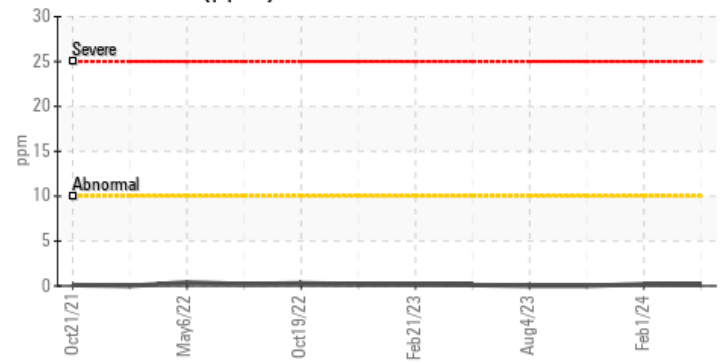
Lead (ppm)



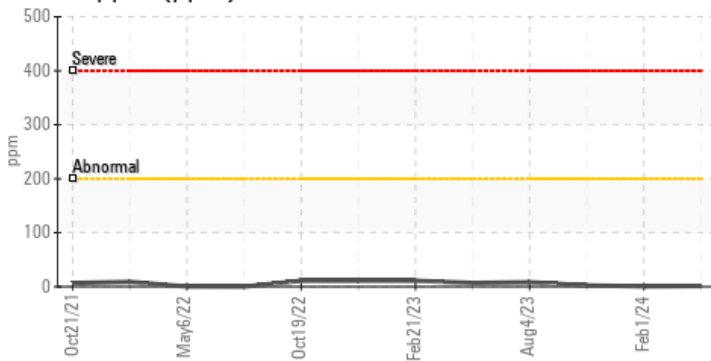
Aluminum (ppm)



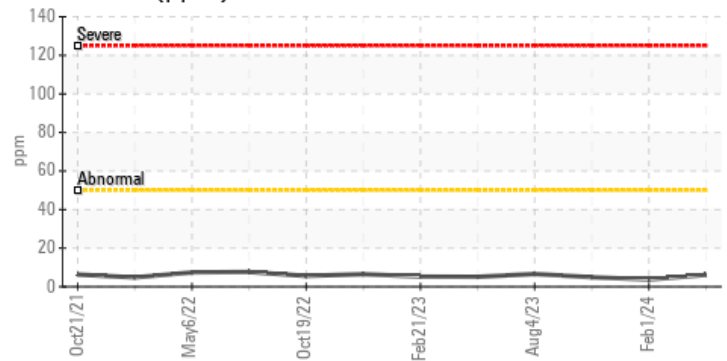
Chromium (ppm)



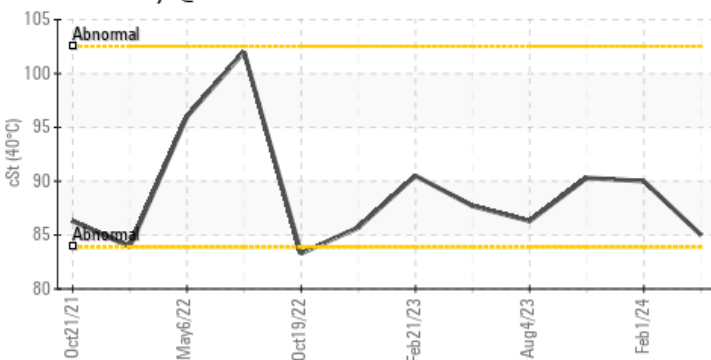
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

