



CONSTRUCTION EQUIPMENT

VOLVO A40F 11843 - BRAKE



Sample No: VCP431894
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP431894 | VCP416402 | VCP395372 | VCP397973 |
| Sample Date | 01 Nov 2023 | 02 Aug 2023 | 12 Apr 2023 | 08 Dec 2022 |
| Machine Hours | 6592 | 6103 | 5555 | 5050 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Not Chngd |
| Sample Status | NORMAL | ABNORMAL | ABNORMAL | ABNORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 52.0 | 49.0 | 49.0 | 49.2 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|----|----|
| Silicon | ppm | 11 | 13 | 13 | 14 |
| Sodium | ppm | 4 | 0 | 4 | 4 |
| Potassium | ppm | 0 | 2 | 0 | 0 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 11 | 22 | 19 | 19 |
| Copper | ppm | 125 | 223 | 192 | 175 |
| Lead | ppm | <1 | <1 | 2 | <1 |
| Tin | ppm | <1 | 0 | 0 | 0 |
| Aluminum | ppm | 1 | 1 | 0 | 0 |
| Chromium | ppm | <1 | <1 | <1 | <1 |
| Molybdenum | ppm | 6 | 8 | 8 | 7 |
| Nickel | ppm | 1 | 2 | 2 | 2 |
| Titanium | ppm | 0 | 0 | <1 | 0 |
| Silver | ppm | 0 | <1 | 0 | 0 |
| Manganese | ppm | <1 | 1 | 2 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3277 | 3325 | 3236 | 3349 |
| Magnesium | ppm | 55 | 46 | 54 | 46 |
| Zinc | ppm | 1397 | 1316 | 1360 | 1396 |
| Phosphorus | ppm | 1114 | 1140 | 1107 | 1099 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 107 | 107 | 100 | 90 |

Diagnosis

No corrective action is recommended at this time. 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.

Depot: SAIBIR
Unique No: 10749058
Signed: Doug Bogart
Report Date: 19 Nov 2023

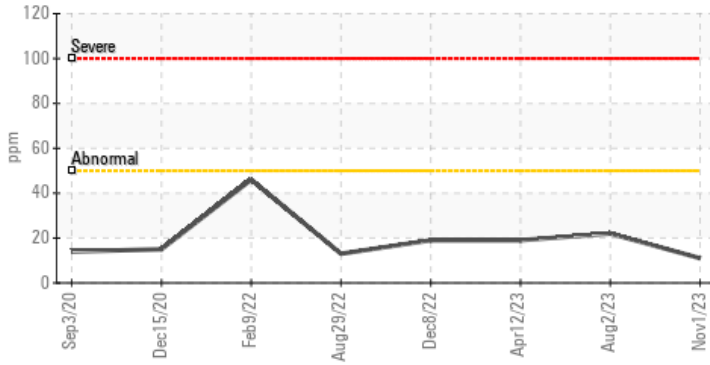


CONSTRUCTION EQUIPMENT

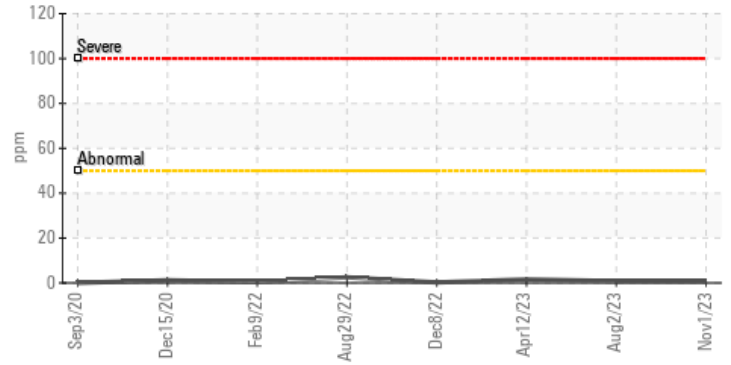


GRAPHS

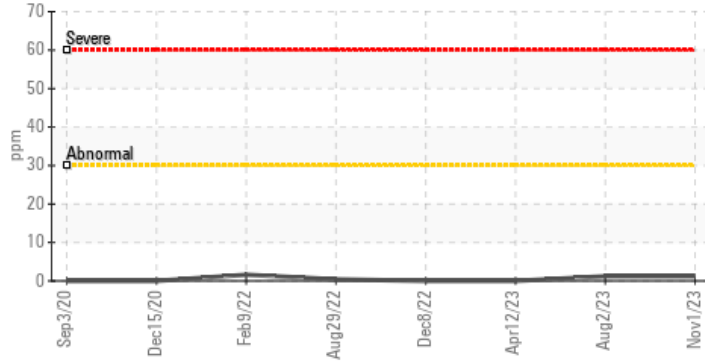
Iron (ppm)



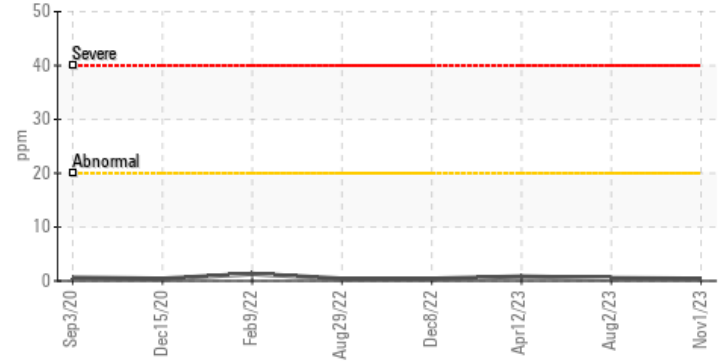
Lead (ppm)



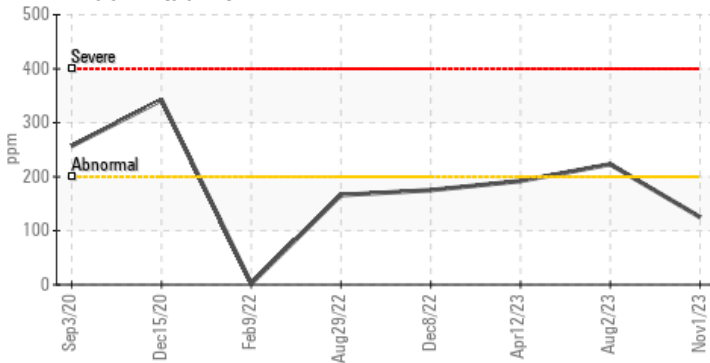
Aluminum (ppm)



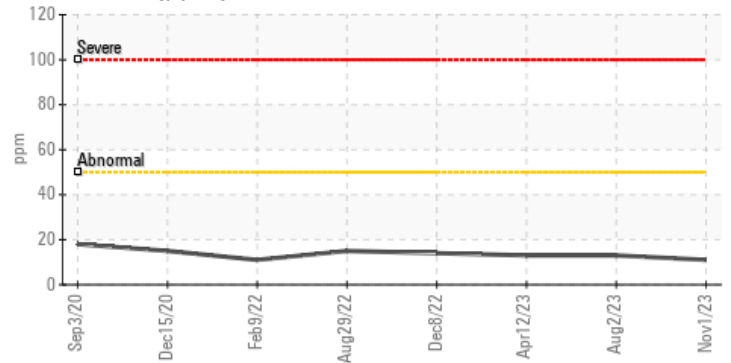
Chromium (ppm)



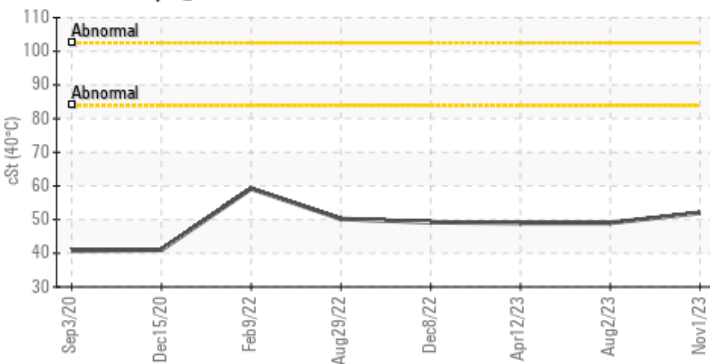
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

