



CONSTRUCTION EQUIPMENT

VOLVO A40G 340668 - WET DISC BRAKE



Sample No: VCP416759
Oil Type: MOBIL MOBILGARD 424
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP416759 | VCP312538 | VCP406128 | VCP405742 |
| Sample Date | 08 Feb 2024 | 24 Oct 2023 | 01 Aug 2023 | 20 Jun 2023 |
| Machine Hours | 17181 | 16708 | 16113 | 15839 |
| Oil Hours | 1068 | 595 | 2004 | 1730 |
| Oil Changed | Not Chngd | Not Chngd | Changed | Not Chngd |
| Sample Status | NORMAL | NORMAL | ABNORMAL | NORMAL |

SCHILDBERG CONSTRUCTION COMPANY
 PO BOX 358
 GREENFIELD, IA
 US 50849
 Contact: SCOTT ARMSTRONG
 sarmstrong@schildberg.com
 T: (641)743-8237
 F: (641)743-2486



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 51.7 | 52.2 | 51.5 | 51.7 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|--------------|-----|-----|-----|
| Silicon | ppm | 16 | 17 | 13 | 19 |
| Sodium | ppm | 6 | 0 | 3 | 7 |
| Potassium | ppm | <1 | 2 | 2 | 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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 15 | 14 | 14 | 15 |
| Copper | ppm | 45 | 47 | 61 | 53 |
| Lead | ppm | 2 | <1 | <1 | 0 |
| Tin | ppm | <1 | 0 | 0 | 0 |
| Aluminum | ppm | 2 | <1 | 2 | <1 |
| Chromium | ppm | 0 | <1 | <1 | 0 |
| Molybdenum | ppm | <1 | <1 | <1 | <1 |
| Nickel | ppm | <1 | <1 | <1 | <1 |
| Titanium | ppm | <1 | 0 | <1 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | 0 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3544 | 3484 | 3354 | 3412 |
| Magnesium | ppm | 21 | 18 | 16 | 16 |
| Zinc | ppm | 1461 | 1395 | 1336 | 1384 |
| Phosphorus | ppm | 1135 | 1191 | 1152 | 1114 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 108 | 111 | 123 | 117 |

Depot: SCHGRE
Unique No: 10898644
Signed: Jonathan Hester
Report Date: 28 Feb 2024

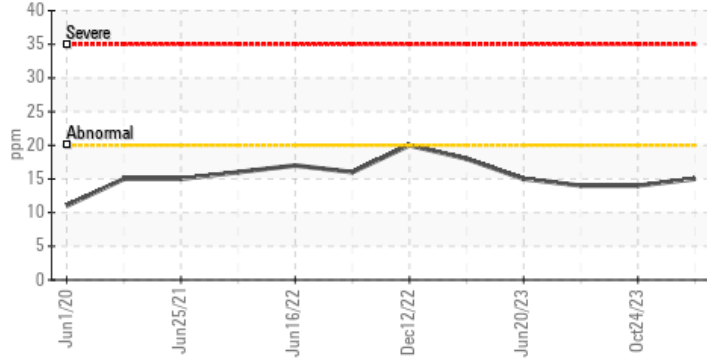


CONSTRUCTION EQUIPMENT

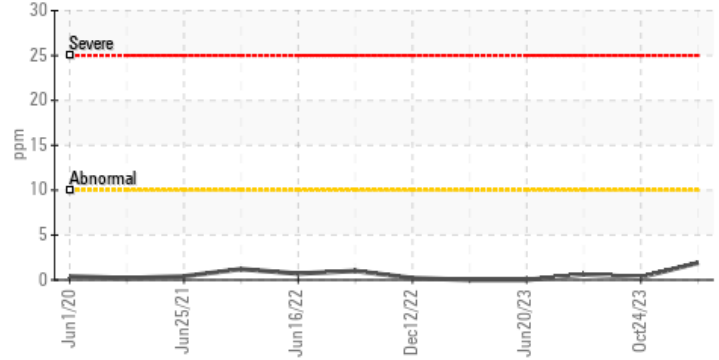


GRAPHS

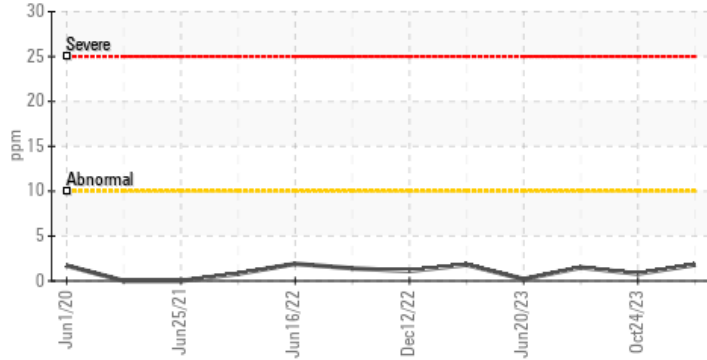
Iron (ppm)



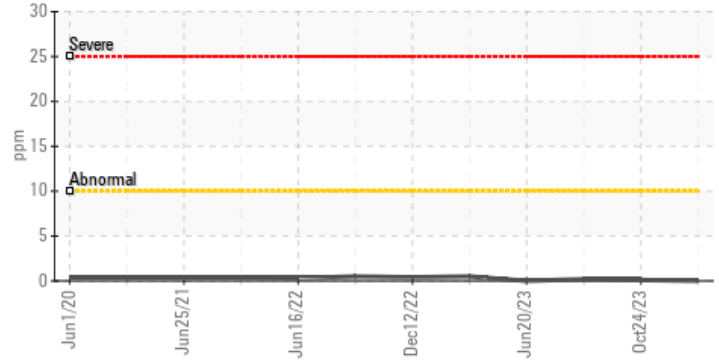
Lead (ppm)



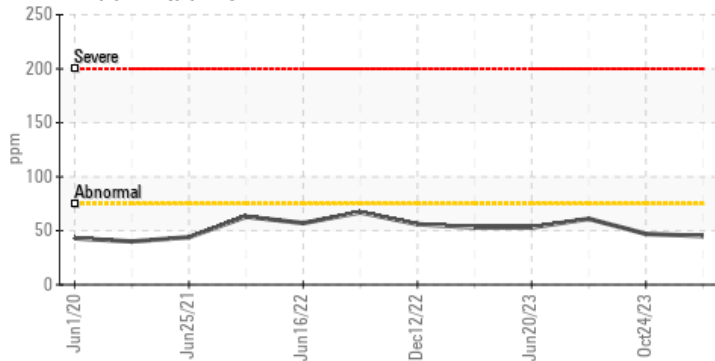
Aluminum (ppm)



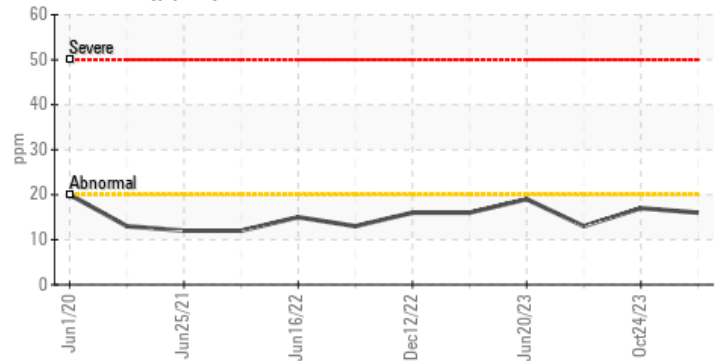
Chromium (ppm)



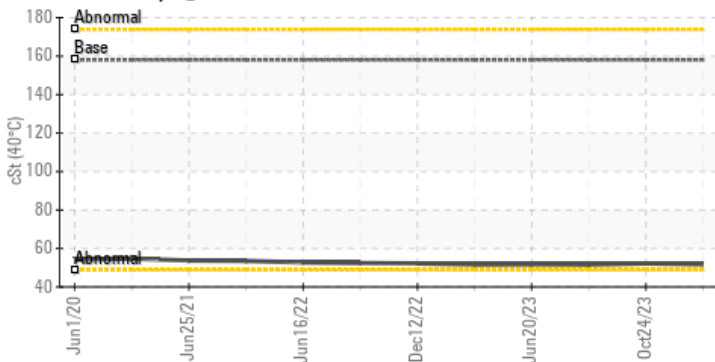
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

