



CONSTRUCTION EQUIPMENT

VOLVO A40G 352349 - WET DISC BRAKE



Sample No: VCP341881
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP341881 | VCP406463 | VCP402327 | VCP406830 |
| Sample Date | 09 Oct 2023 | 29 Aug 2023 | 19 Jul 2023 | 02 May 2023 |
| Machine Hours | 6086 | 5785 | 5478 | 4995 |
| Oil Hours | 608 | 307 | 1960 | 1477 |
| Oil Changed | Changed | Not Changd | Changed | Not Changd |
| Sample Status | ABNORMAL | ABNORMAL | ABNORMAL | ABNORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 44.5 | 44.9 | 42.7 | 42.9 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|----|----|
| Silicon | ppm | 15 | 14 | 14 | 17 |
| Sodium | ppm | 4 | 6 | 8 | 8 |
| Potassium | ppm | 2 | 0 | <1 | 0 |

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. The copper level is abnormal. All other component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 16 | 16 | 22 | 21 |
| Copper | ppm | 158 | 133 | 160 | 165 |
| Lead | ppm | 0 | 0 | 2 | 0 |
| Tin | ppm | 0 | 0 | <1 | 0 |
| Aluminum | ppm | 1 | 0 | 0 | 0 |
| Chromium | ppm | <1 | <1 | 1 | <1 |
| Molybdenum | ppm | <1 | 0 | <1 | <1 |
| Nickel | ppm | 4 | 3 | 5 | 5 |
| Titanium | ppm | <1 | 0 | <1 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | 1 | 1 |
| Vanadium | ppm | 0 | 0 | <1 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3213 | 3270 | 3070 | 3348 |
| Magnesium | ppm | 11 | 15 | 16 | 15 |
| Zinc | ppm | 1427 | 1418 | 1335 | 1466 |
| Phosphorus | ppm | 1184 | 1201 | 1132 | 1232 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 110 | 125 | 108 | 99 |

Depot: SCHGRE
Unique No: 10701229
Signed: Sean Felton
Report Date: 23 Oct 2023

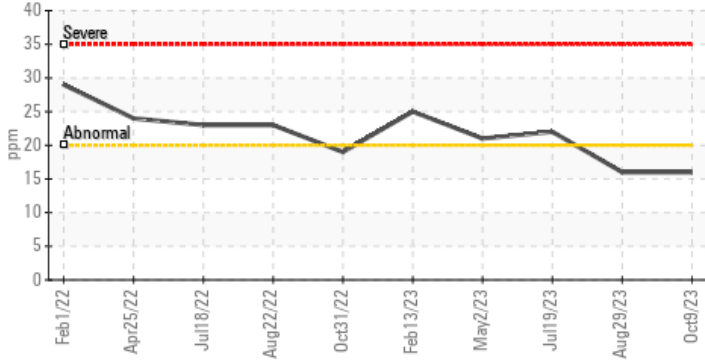


CONSTRUCTION EQUIPMENT

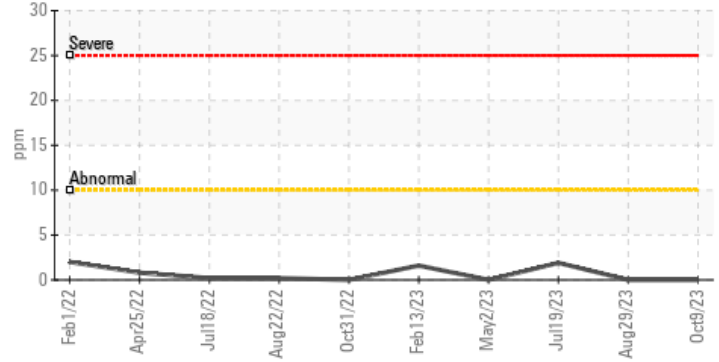


VOLVO GRAPHS

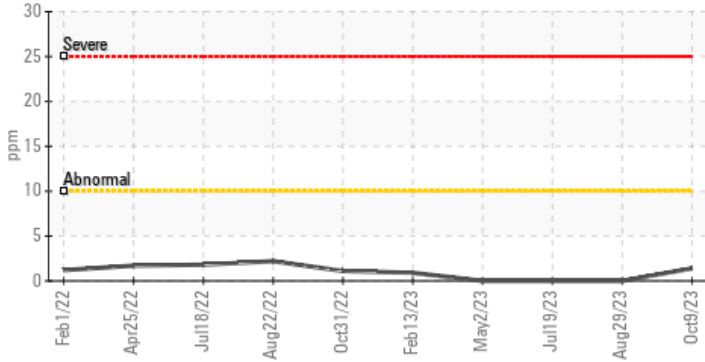
Iron (ppm)



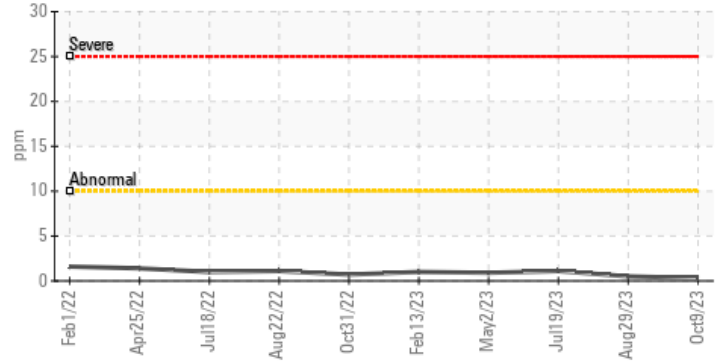
Lead (ppm)



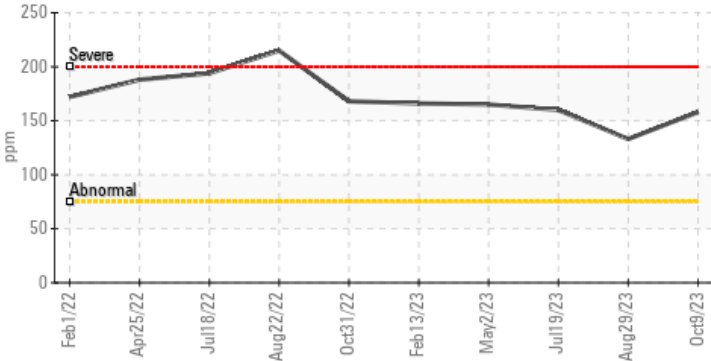
Aluminum (ppm)



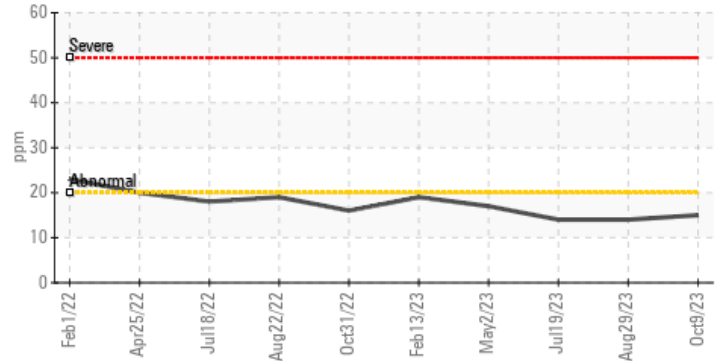
Chromium (ppm)



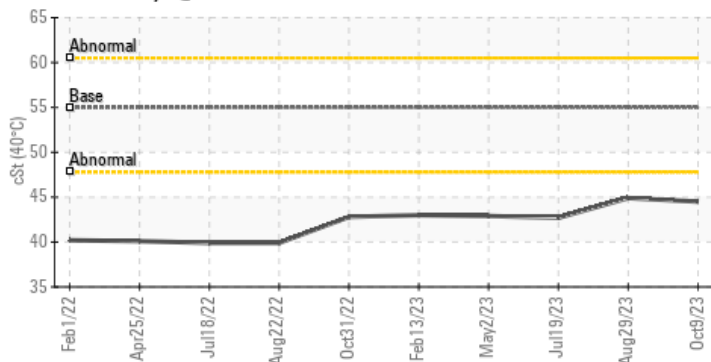
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

