



CONSTRUCTION EQUIPMENT

VOLVO A60H 340039 - WET DISC BRAKE



Sample No: VCP412504
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP412504 | VCP366102 | VCP366694 | VCP354402 |
| Sample Date | 20 Jun 2023 | 29 Nov 2022 | 15 Aug 2022 | 04 May 2022 |
| Machine Hours | 7542 | 7061 | 6529 | 6042 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Not Chngd | Changed |
| Sample Status | ABNORMAL | ABNORMAL | ABNORMAL | ABNORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 48.5 | 48.1 | 48.5 | 46.0 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|----|----|----|
| Silicon | ppm | 25 | 23 | 22 | 28 |
| Sodium | ppm | 4 | 4 | 3 | 6 |
| Potassium | ppm | <1 | 0 | 2 | 0 |

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 59 | 58 | 52 | 78 |
| Copper | ppm | 276 | 266 | 251 | 314 |
| Lead | ppm | <1 | 1 | 1 | 5 |
| Tin | ppm | <1 | <1 | <1 | <1 |
| Aluminum | ppm | 4 | 5 | 5 | 5 |
| Chromium | ppm | <1 | <1 | <1 | <1 |
| Molybdenum | ppm | 2 | 2 | 2 | 2 |
| Nickel | ppm | 4 | 2 | 3 | 5 |
| Titanium | ppm | <1 | <1 | <1 | <1 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | 2 | 2 | 1 | 2 |
| Vanadium | ppm | <1 | <1 | <1 | <1 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3155 | 3039 | 2976 | 3509 |
| Magnesium | ppm | 22 | 21 | 18 | 16 |
| Zinc | ppm | 1327 | 1218 | 1277 | 1384 |
| Phosphorus | ppm | 1144 | 1061 | 1089 | 1278 |
| Barium | ppm | 0 | 0 | 1 | 0 |
| Boron | ppm | 70 | 61 | 61 | 113 |

Depot: SAIBIR
Unique No: 10538569
Signed: Don Baldrige
Report Date: 04 Jul 2023

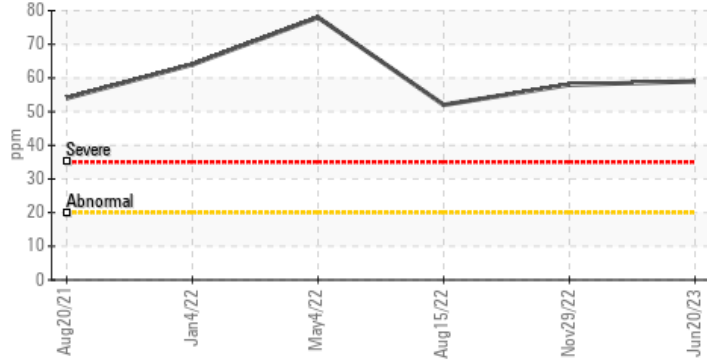


CONSTRUCTION EQUIPMENT

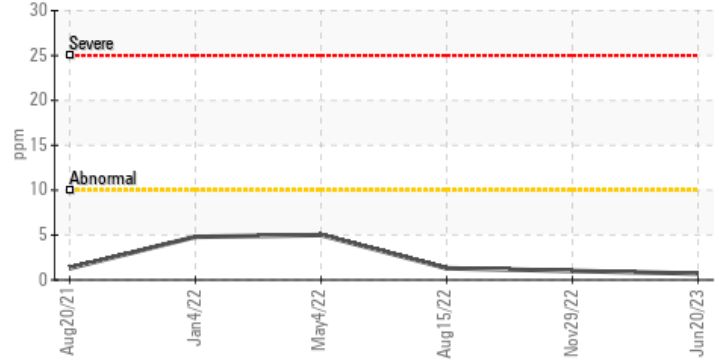


VOLVO GRAPHS

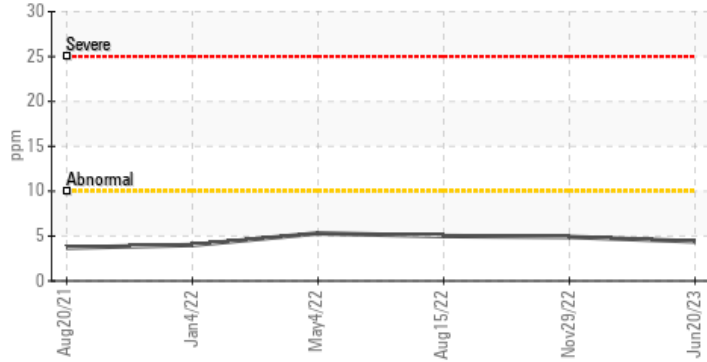
Iron (ppm)



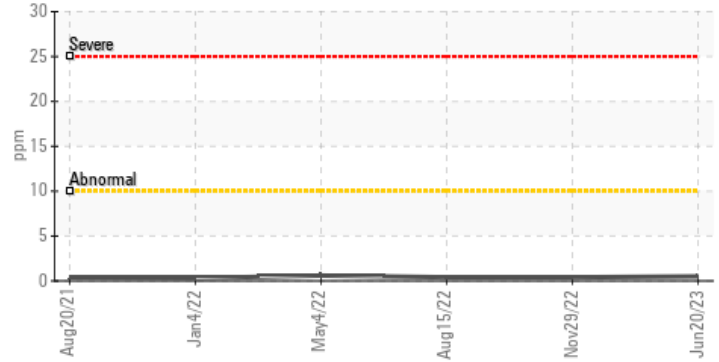
Lead (ppm)



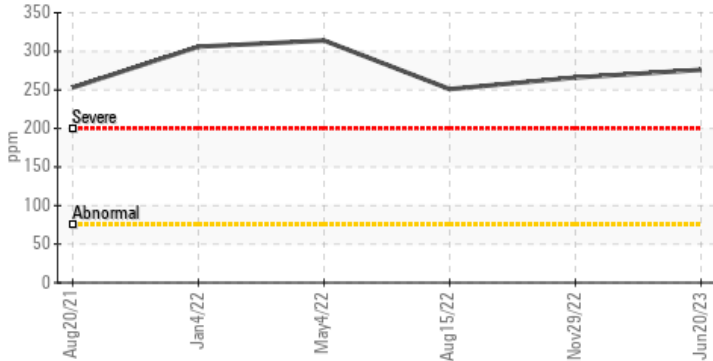
Aluminum (ppm)



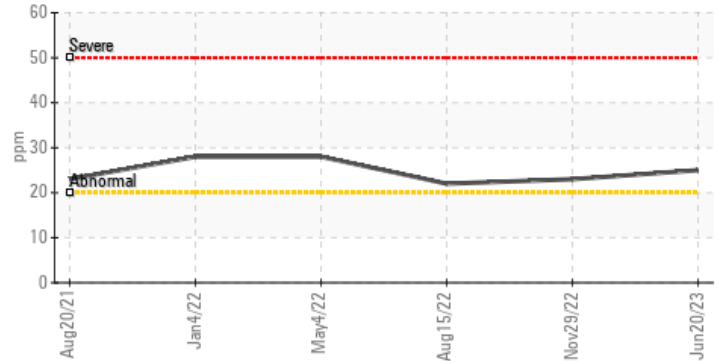
Chromium (ppm)



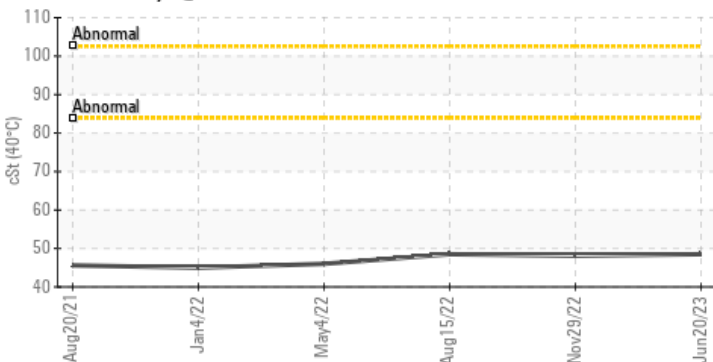
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

