



CONSTRUCTION EQUIPMENT

SWO-065667 VOLVO A45G 352708 - TANK BRAKE



Sample No: VCP431116
Oil Type: NOT GIVEN
Job No: SWO-065667



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP431116 | VCP404724 | VCP396770 | VCP369294 |
| Sample Date | 11 Sep 2023 | 06 Jul 2023 | 24 Mar 2023 | 08 Nov 2022 |
| Machine Hours | 4418 | 3920 | 3429 | 2956 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

SAIIA CONSTRUCTION LLC

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 46.3 | 40.1 | 41.0 | 40.0 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|----|----|
| Silicon | ppm | 15 | 18 | 19 | 18 |
| Sodium | ppm | 8 | 10 | 11 | 11 |
| Potassium | ppm | 0 | 0 | 2 | 0 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 14 | 29 | 33 | 24 |
| Copper | ppm | 151 | 194 | 177 | 178 |
| Lead | ppm | 0 | 0 | 2 | 3 |
| Tin | ppm | <1 | 0 | <1 | <1 |
| Aluminum | ppm | 1 | 2 | <1 | 1 |
| Chromium | ppm | <1 | <1 | 1 | <1 |
| Molybdenum | ppm | <1 | <1 | <1 | <1 |
| Nickel | ppm | 5 | 6 | 6 | 6 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | 2 | 2 | 1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3183 | 3484 | 3687 | 3346 |
| Magnesium | ppm | 25 | 10 | 16 | 10 |
| Zinc | ppm | 1460 | 1585 | 1621 | 1469 |
| Phosphorus | ppm | 1257 | 1307 | 1299 | 1226 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 103 | 105 | 117 | 112 |

Diagnosis

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: 10647693
Signed: Don Baldrige
Report Date: 19 Sep 2023

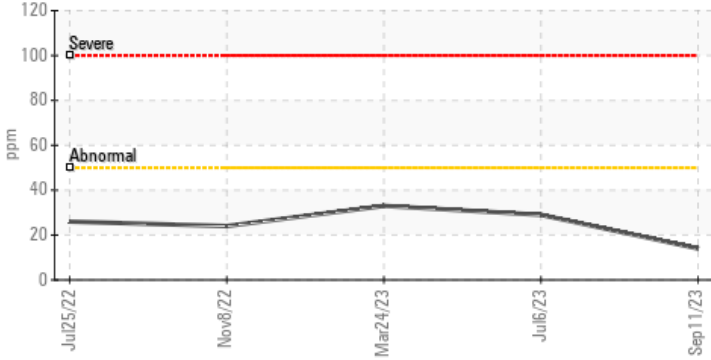


CONSTRUCTION EQUIPMENT

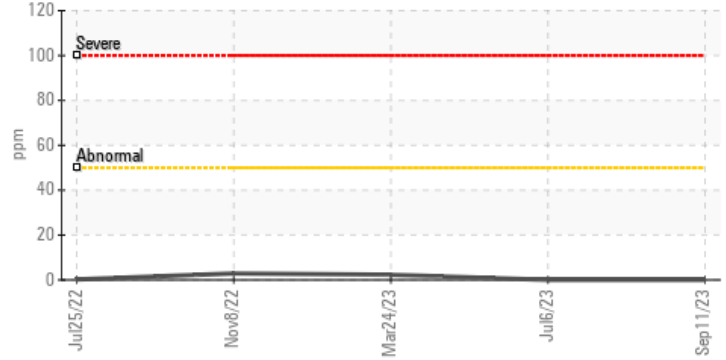


GRAPHS

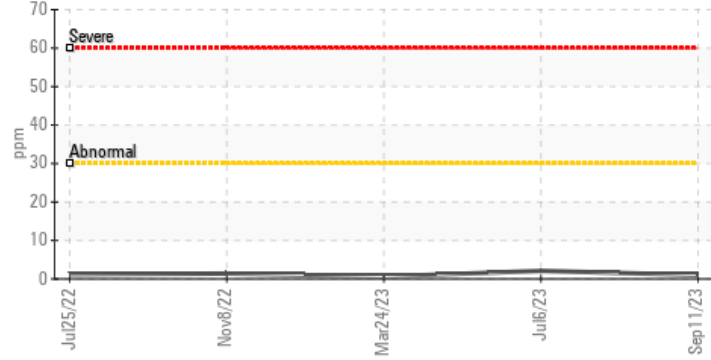
Iron (ppm)



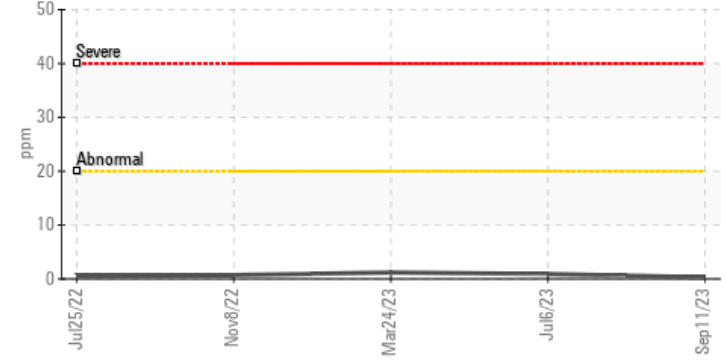
Lead (ppm)



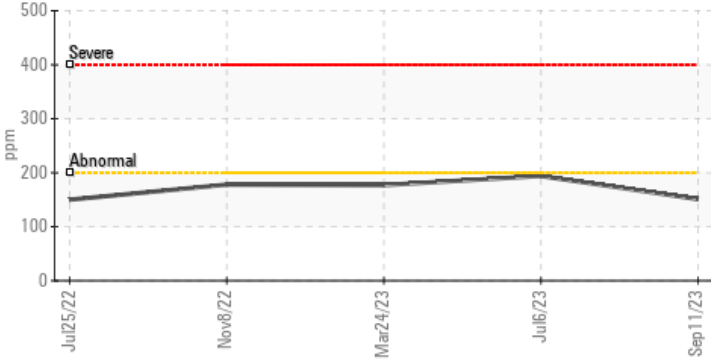
Aluminum (ppm)



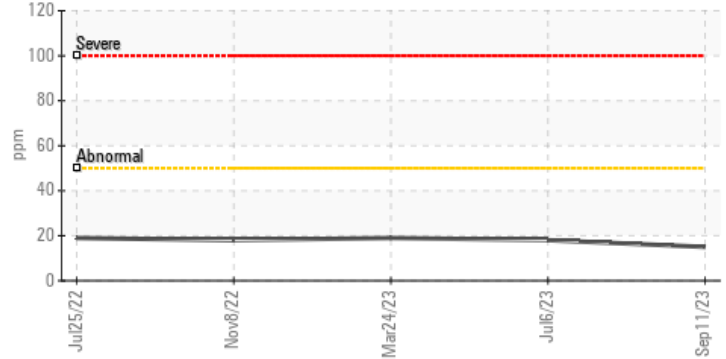
Chromium (ppm)



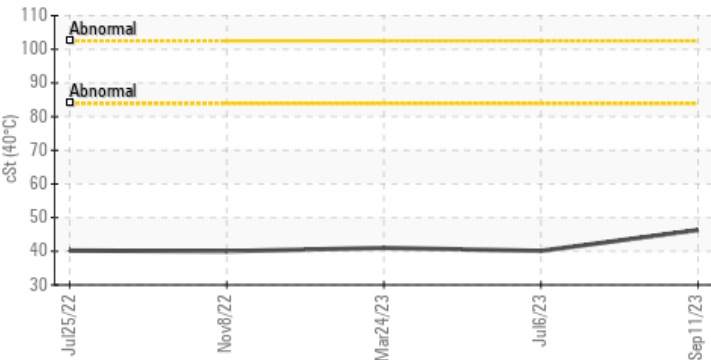
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

