



CONSTRUCTION EQUIPMENT

VOLVO A45G 353 131 - WET DISC BRAKE



Sample No: VCP455387
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP455387 | VCP437310 | VCP317726 | --- |
| Sample Date | 04 May 2024 | 16 Apr 2024 | 28 Sep 2023 | --- |
| Machine Hours | 3594 | 3526 | 2371 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | N/A | Not Changd | Not Changd | --- |
| Sample Status | ABNORMAL | ABNORMAL | NORMAL | --- |

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | 41.9 | 42.1 | 41.8 | --- |
|-------------|-----|-------------|------|------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 21 | 19 | 16 | --- |
| Sodium | ppm | 6 | 7 | 7 | --- |
| Potassium | ppm | 2 | 0 | 1 | --- |

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. The iron level is abnormal. 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 | 59 | 53 | 32 | --- |
| Copper | ppm | 163 | 158 | 112 | --- |
| Lead | ppm | <1 | 0 | <1 | --- |
| Tin | ppm | <1 | 0 | <1 | --- |
| Aluminum | ppm | 2 | <1 | <1 | --- |
| Chromium | ppm | 2 | <1 | <1 | --- |
| Molybdenum | ppm | <1 | 0 | 0 | --- |
| Nickel | ppm | 7 | 5 | 4 | --- |
| Titanium | ppm | <1 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 2 | 2 | 2 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 3626 | 3601 | 3332 | --- |
| Magnesium | ppm | 10 | 0 | 8 | --- |
| Zinc | ppm | 1497 | 1489 | 1433 | --- |
| Phosphorus | ppm | 1274 | 1295 | 1169 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 120 | 104 | 99 | --- |

Depot: VOLVO0090
Unique No: 11017753
Signed: Don Baldrige
Report Date: 09 May 2024

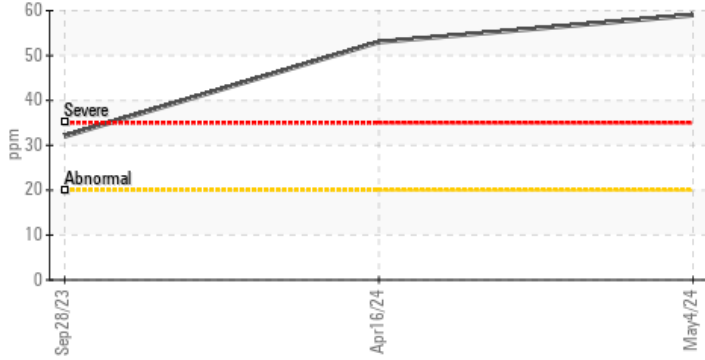


CONSTRUCTION EQUIPMENT

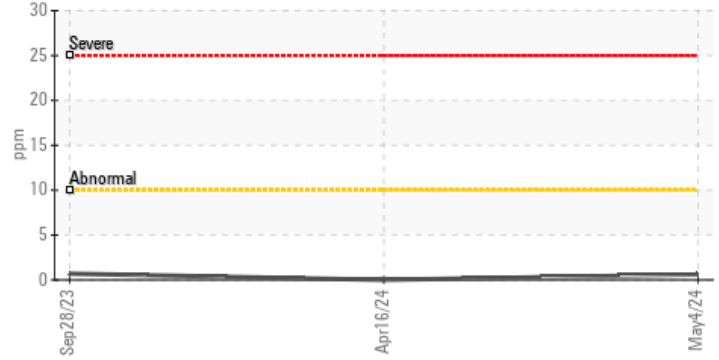


GRAPHS

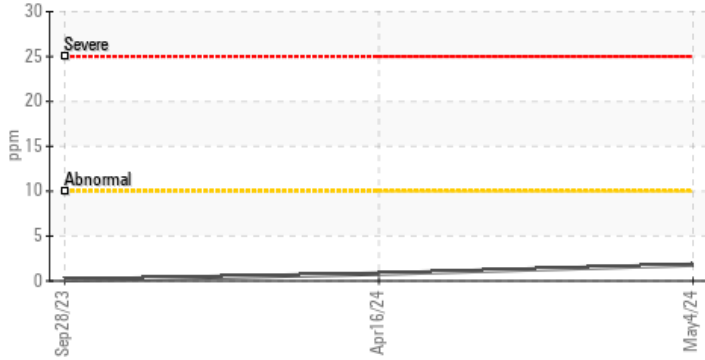
▲ Iron (ppm)



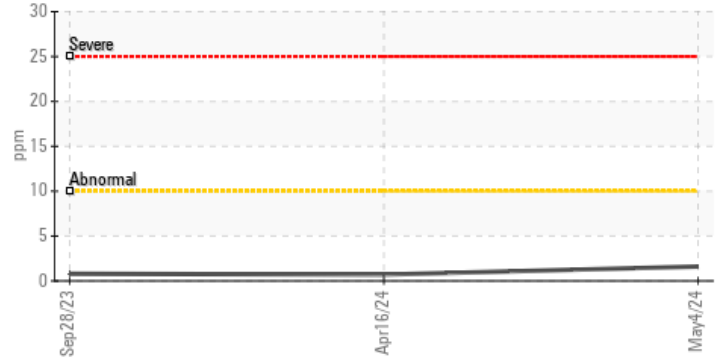
Lead (ppm)



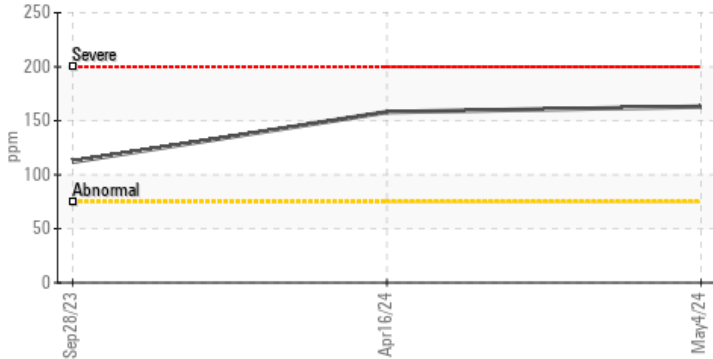
Aluminum (ppm)



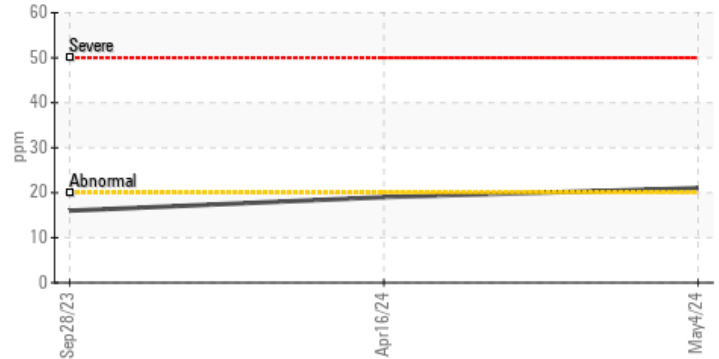
Chromium (ppm)



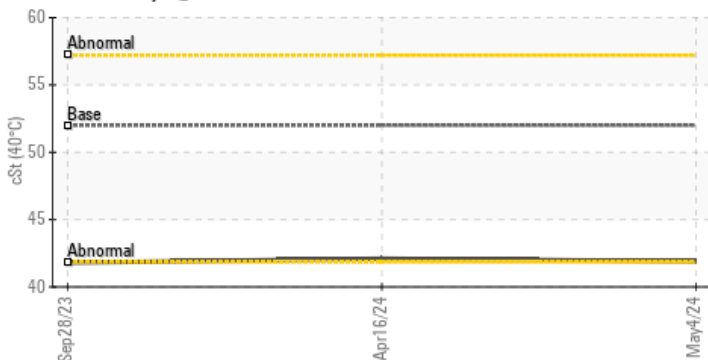
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

