



CONSTRUCTION EQUIPMENT

717732 DIPRO VOLVO A40G 353052 - WET DISC BRAKE



Sample No: VCP453753
Oil Type: VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102
Job No: 717732 DIPRO



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP453753 | VCP444155 | VCP431920 | VCP414171 |
| Sample Date | 14 Jun 2024 | 06 Mar 2024 | 25 Oct 2023 | 11 Jul 2023 |
| Machine Hours | 9202 | 8028 | 6429 | 5162 |
| Oil Hours | 1000 | 4000 | 2429 | 1000 |
| Oil Changed | Not Changd | Changed | Not Changd | Not Changd |
| Sample Status | NORMAL | ABNORMAL | ABNORMAL | ABNORMAL |

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL ELZERMAN
 paul.elzerman@altaequipment.com
 T: (248)356-5200
 F: (248)356-2029



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 40.2 | 40.8 | 42.2 | 40.9 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----------|-----|-----|-----|
| Silicon | ppm | 13 | 14 | 14 | 15 |
| Sodium | ppm | 6 | 7 | 8 | 8 |
| Potassium | ppm | 0 | 2 | 0 | <1 |

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 | 21 | 23 | 15 | 34 |
| Copper | ppm | 73 | 93 | 82 | 54 |
| Lead | ppm | 1 | <1 | 0 | <1 |
| Tin | ppm | 0 | <1 | 0 | <1 |
| Aluminum | ppm | <1 | 2 | <1 | 1 |
| Chromium | ppm | <1 | <1 | 0 | <1 |
| Molybdenum | ppm | 0 | 0 | 0 | <1 |
| Nickel | ppm | 3 | 5 | 4 | 3 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | <1 | 1 |
| Vanadium | ppm | <1 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 2935 | 2836 | 2868 | 3423 |
| Magnesium | ppm | 6 | 8 | 9 | 10 |
| Zinc | ppm | 1395 | 1425 | 1374 | 1580 |
| Phosphorus | ppm | 1284 | 1320 | 1210 | 1334 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 63 | 84 | 86 | 84 |

Depot: VOLVO2990
Unique No: 11088942
Signed: Don Baldrige
Report Date: 23 Jun 2024

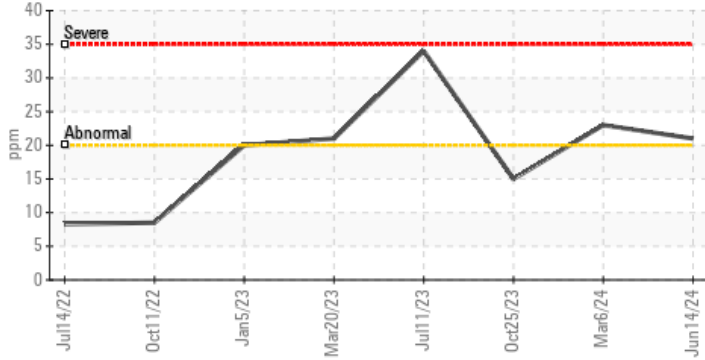


CONSTRUCTION EQUIPMENT

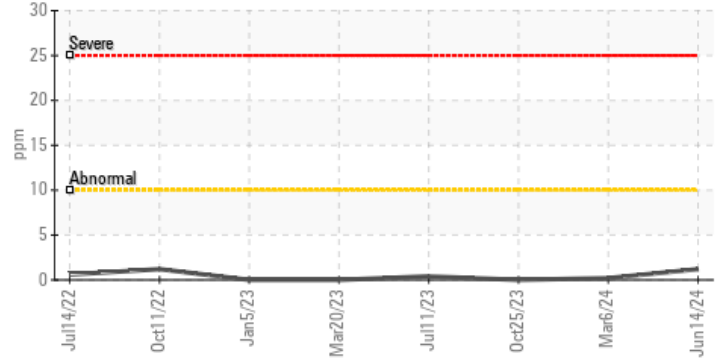


GRAPHS

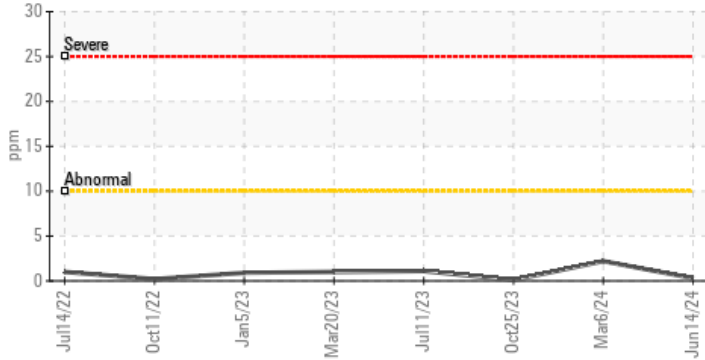
Iron (ppm)



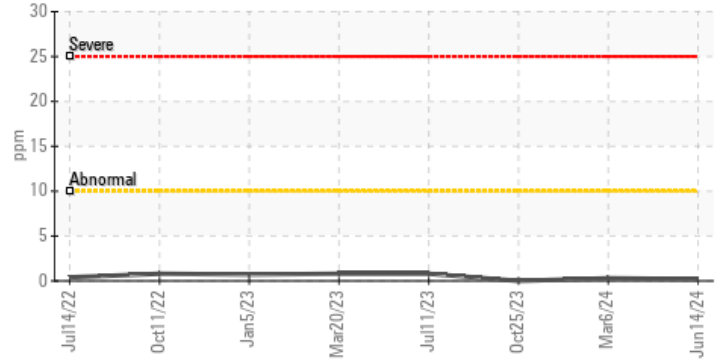
Lead (ppm)



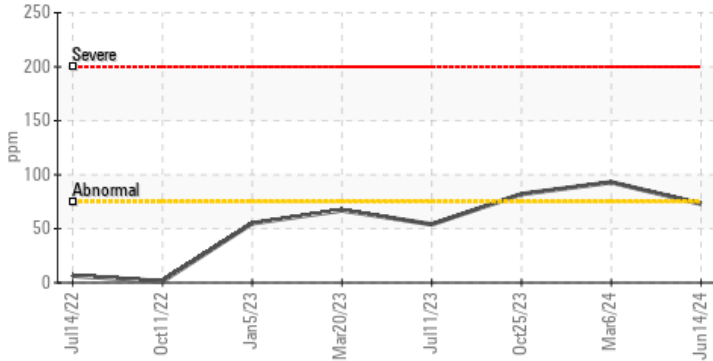
Aluminum (ppm)



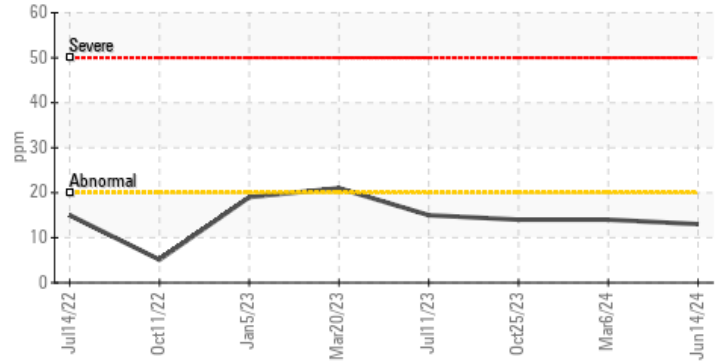
Chromium (ppm)



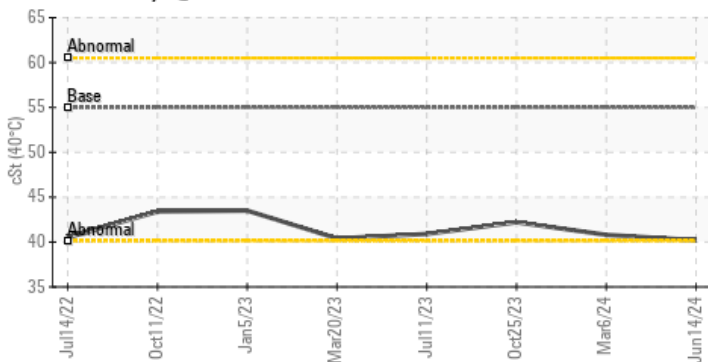
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

