



CONSTRUCTION EQUIPMENT

VOLVO A40G 352987 - WET DISC BRAKE



Sample No: VCP438588
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP438588 | --- | --- | --- |
| Sample Date | 15 Apr 2024 | --- | --- | --- |
| Machine Hours | 3943 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:

OIL CONDITION

| | | | | | |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 43.3 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|-------|-----|-----|-----|
| Water | % | ■ NEG | --- | --- | --- |
| Silicon | ppm | ▲ 23 | --- | --- | --- |
| Sodium | ppm | ■ 10 | --- | --- | --- |
| Potassium | ppm | ■ <1 | --- | --- | --- |

Diagnosis
 The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. 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 | ▲ 74 | --- | --- | --- |
| Copper | ppm | ▲ 199 | --- | --- | --- |
| Lead | ppm | ■ <1 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ <1 | --- | --- | --- |
| Chromium | ppm | ■ 1 | --- | --- | --- |
| Molybdenum | ppm | ■ 0 | --- | --- | --- |
| Nickel | ppm | ■ 6 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ■ 2 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 3316 | --- | --- | --- |
| Magnesium | ppm | ■ 13 | --- | --- | --- |
| Zinc | ppm | ■ 1398 | --- | --- | --- |
| Phosphorus | ppm | ■ 1319 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 129 | --- | --- | --- |

Depot: RIPTAM
Unique No: 10990227
Signed: Don Baldrige
Report Date: 23 Apr 2024

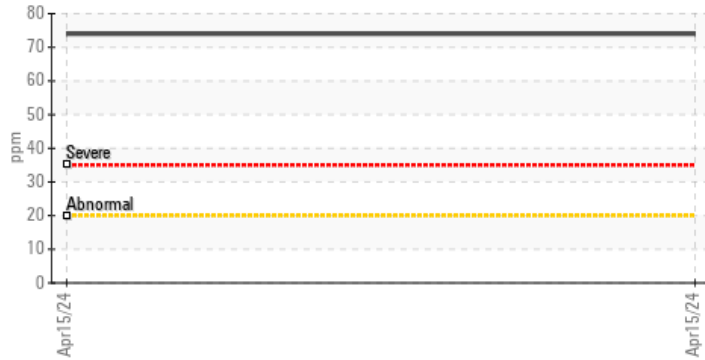


CONSTRUCTION EQUIPMENT

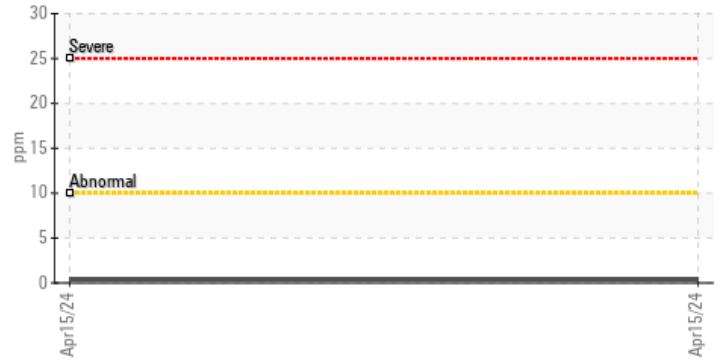


VOLVO GRAPHS

▲ Iron (ppm)



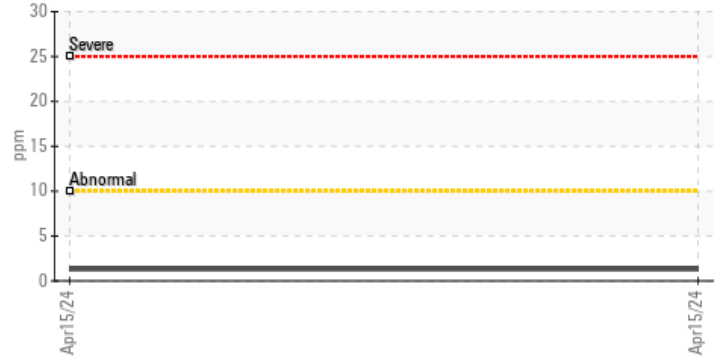
Lead (ppm)



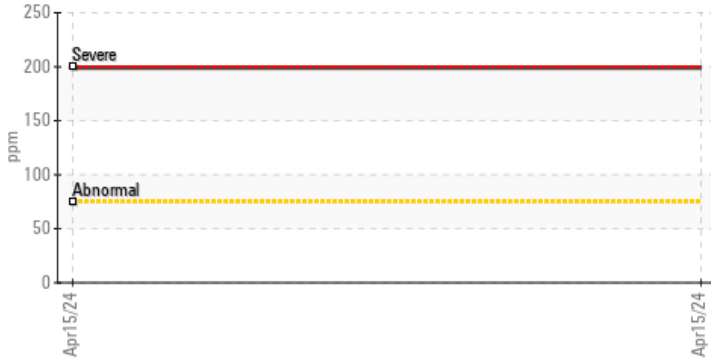
Aluminum (ppm)



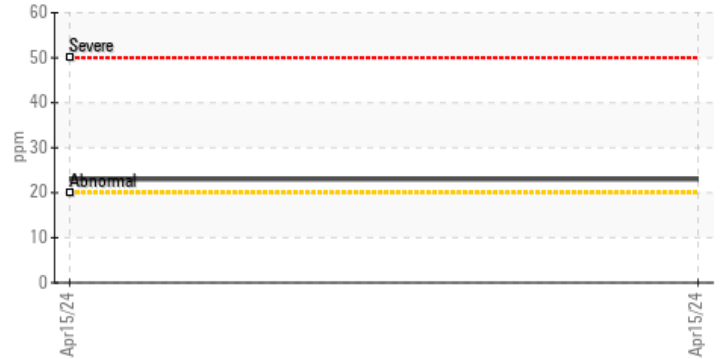
Chromium (ppm)



▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

