



CONSTRUCTION EQUIPMENT

645918 VOLVO A40G 341242 - WET DISC BRAKE



Sample No: VCP452279
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: 645918



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP452279 | VCP393260 | VCP344277 | --- |
| Sample Date | 19 Dec 2023 | 01 Apr 2023 | 01 Sep 2021 | --- |
| Machine Hours | 10855 | 9962 | 7958 | --- |
| Oil Hours | 1000 | 0 | 0 | --- |
| Oil Changed | Not Chngd | Not Chngd | Changed | --- |
| Sample Status | ABNORMAL | ABNORMAL | ABNORMAL | --- |

BLAZE CONSTRUCTION

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 F:



OIL CONDITION

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



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 13 | 13 | 10 | --- |
| Sodium | ppm | 4 | 5 | 1 | --- |
| 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 | 46 | 48 | 35 | --- |
| Copper | ppm | 381 | 290 | 357 | --- |
| Lead | ppm | 0 | 3 | 1 | --- |
| Tin | ppm | 0 | 0 | 0 | --- |
| Aluminum | ppm | 2 | 0 | 0 | --- |
| Chromium | ppm | <1 | <1 | <1 | --- |
| Molybdenum | ppm | 0 | <1 | <1 | --- |
| Nickel | ppm | 2 | 2 | 4 | --- |
| Titanium | ppm | 0 | 0 | <1 | --- |
| Silver | ppm | 0 | 0 | <1 | --- |
| Manganese | ppm | <1 | 2 | 2 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 3567 | 3498 | 3729 | --- |
| Magnesium | ppm | 14 | 20 | 7 | --- |
| Zinc | ppm | 1510 | 1436 | 1435 | --- |
| Phosphorus | ppm | 1210 | 1177 | 1300 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 134 | 112 | 118 | --- |

Depot: BLADET
Unique No: 10822959
Signed: Sean Felton
Report Date: 11 Jan 2024

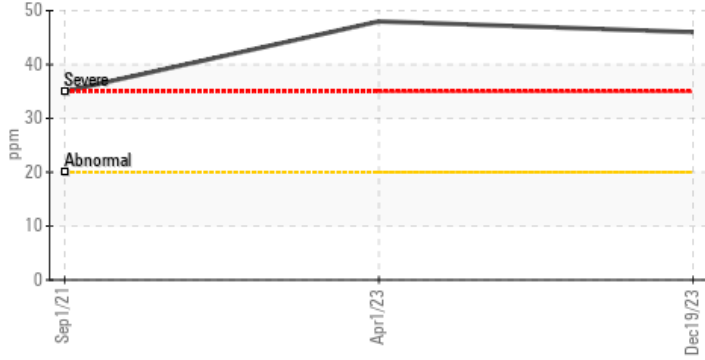


CONSTRUCTION EQUIPMENT

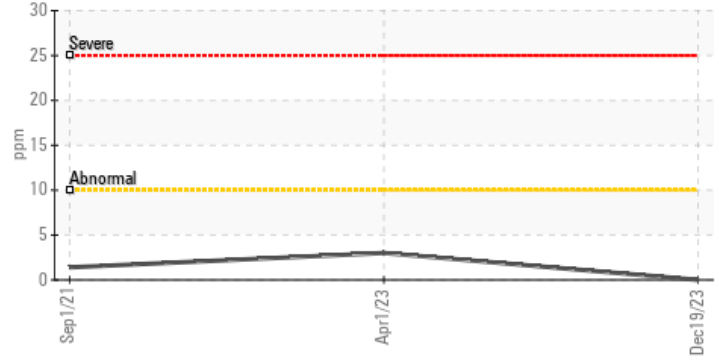


GRAPHS

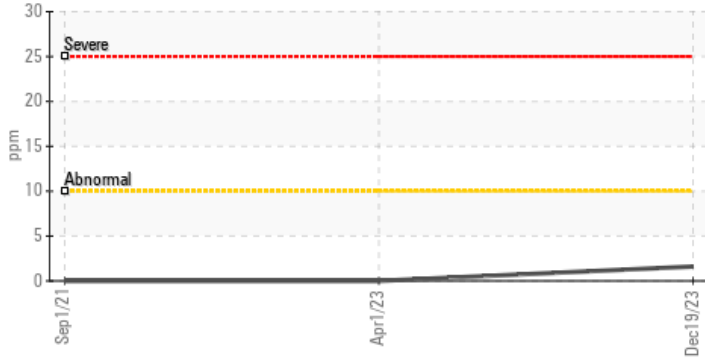
▲ Iron (ppm)



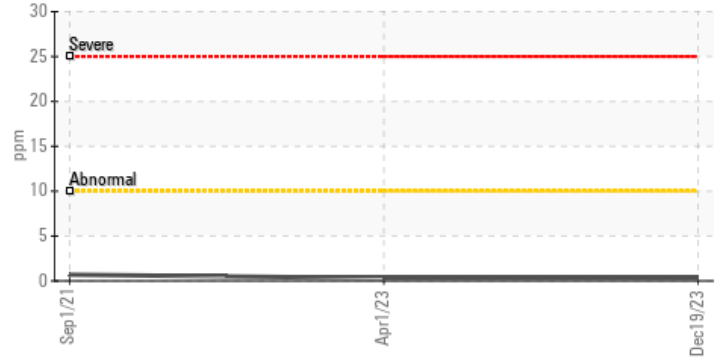
Lead (ppm)



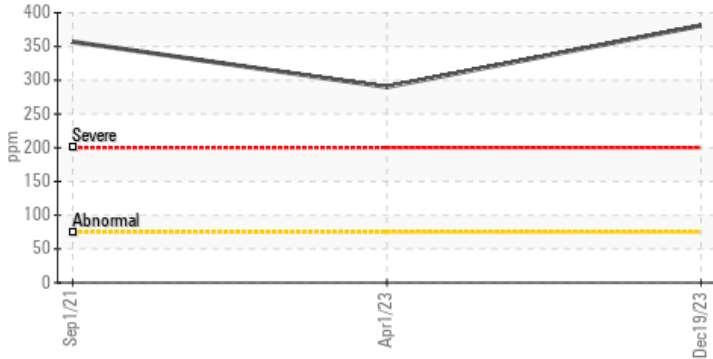
Aluminum (ppm)



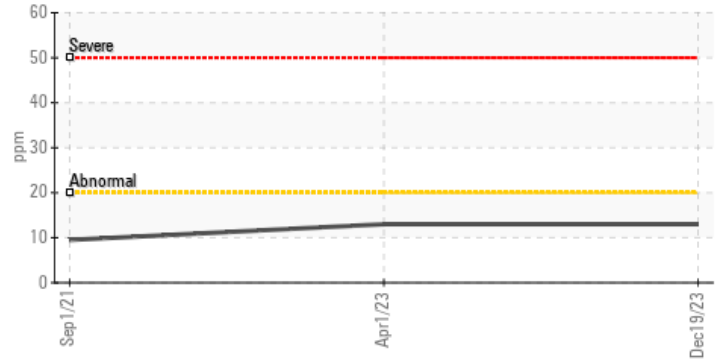
Chromium (ppm)



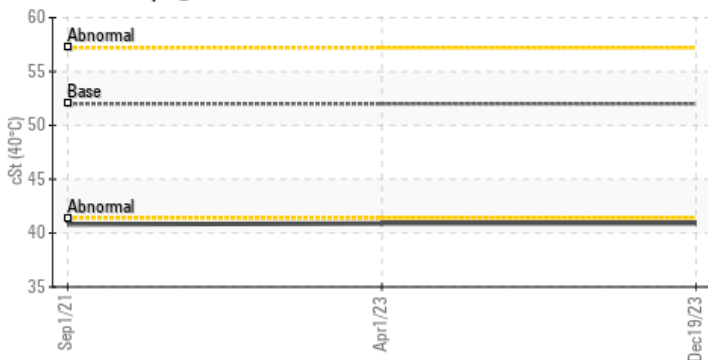
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

