



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 392281 VOLVO L260 1233 - TRANSMISSION (AUTO)



Sample No: VCP391999
Oil Type: VOLVO AT 102
Job No: 392281



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP391999 | VCP394171 | VCP380081 | VCP394980 |
| Sample Date | 22 Jan 2024 | 11 Jan 2024 | 04 Dec 2023 | 12 Jul 2023 |
| Machine Hours | 8522 | 8278 | 7547 | 4516 |
| Oil Hours | 0 | 4000 | 0 | 0 |
| Oil Changed | Not Changd | Changed | Not Changd | Changed |
| Sample Status | NORMAL | ABNORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 27.2 | 27.1 | 28.0 | 25.9 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 2 | 5 | 5 | 10 |
| Sodium | ppm | 1 | 2 | 2 | 5 |
| Potassium | ppm | 1 | 1 | <1 | 1 |

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Additive levels indicate the addition of a different brand, or type of fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|-------|-----|-----|
| PQ | | --- | 0 | 3 | 0 |
| Iron | ppm | 61 | ▲ 245 | 187 | 282 |
| Copper | ppm | 2 | 7 | 5 | 8 |
| Lead | ppm | 0 | <1 | <1 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | 2 | 1 | 3 |
| Chromium | ppm | <1 | 2 | 2 | 2 |
| Molybdenum | ppm | 0 | 0 | 0 | <1 |
| Nickel | ppm | <1 | <1 | <1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | <1 | 4 | 3 | 8 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 77 | 101 | 380 | 91 |
| Magnesium | ppm | 1 | 1 | 2 | 1 |
| Zinc | ppm | 6 | 18 | 135 | 20 |
| Phosphorus | ppm | 193 | 198 | 266 | 175 |
| Barium | ppm | 0 | <1 | <1 | 4 |
| Boron | ppm | 83 | 70 | 74 | 47 |

Depot: VOLV00252
Unique No: 5711736
Signed: Wes Davis
Report Date: 23 Jan 2024

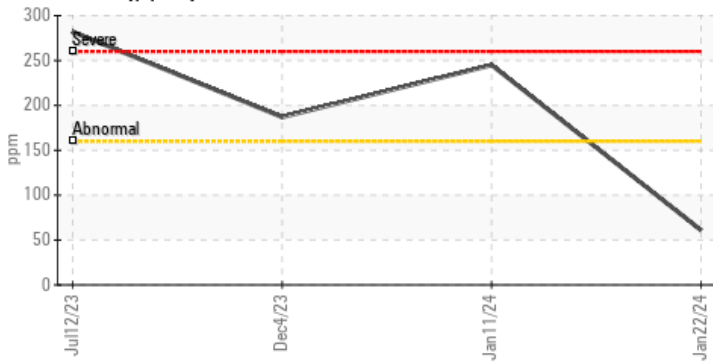


CONSTRUCTION EQUIPMENT

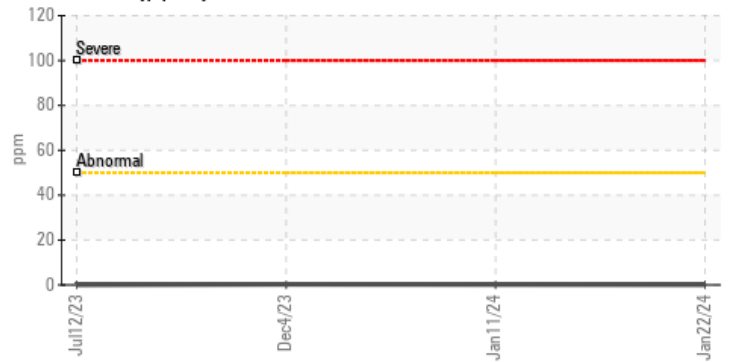


GRAPHS

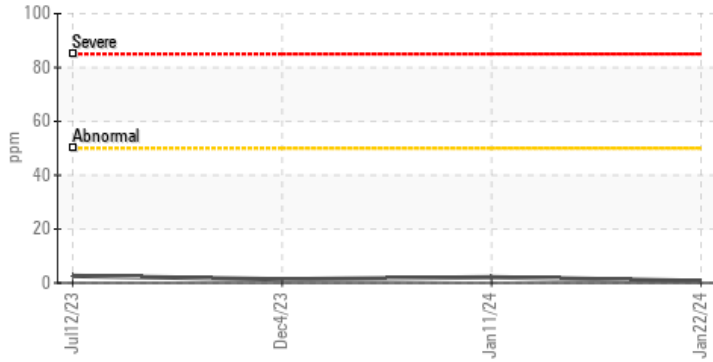
Iron (ppm)



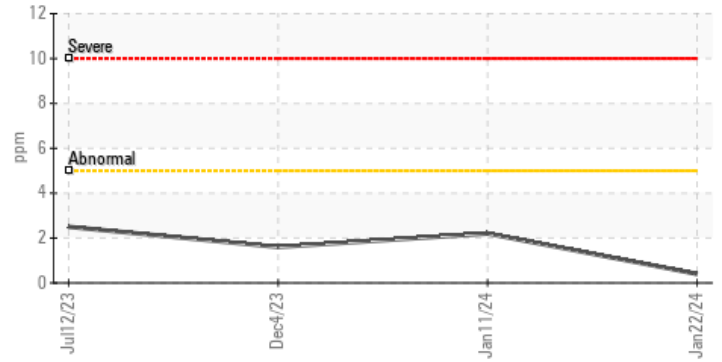
Lead (ppm)



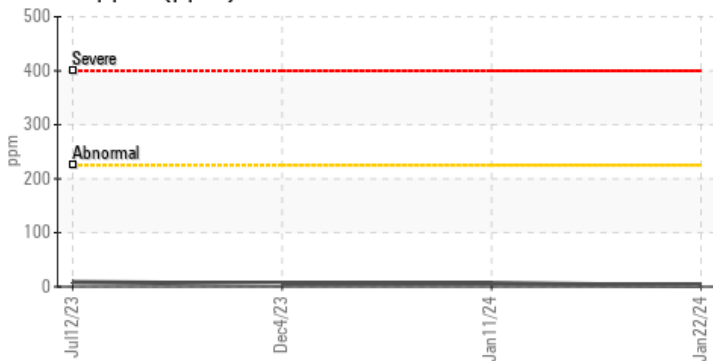
Aluminum (ppm)



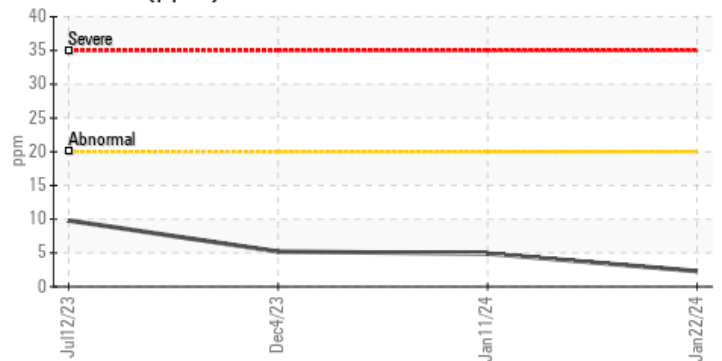
Chromium (ppm)



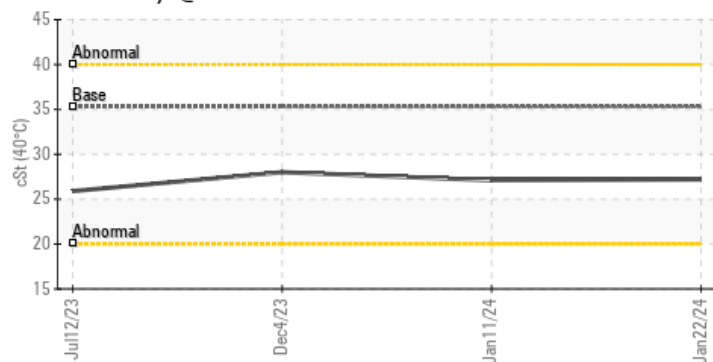
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

