



CONSTRUCTION EQUIPMENT

W07012306 STANLEY VOLVO A45G 342207 - TRANSMISSION (AUTO)



Sample No: VCP396732
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: W07012306 STANLEY



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP396732 | VCP372948 | VCP277835 | VCP245637 |
| Sample Date | 02 May 2023 | 28 Jul 2022 | 01 Jul 2020 | 17 Dec 2019 |
| Machine Hours | 9278 | 7899 | 3901 | 3200 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | N/A | Changed | Changed | N/A |
| Sample Status | ABNORMAL | ABNORMAL | ABNORMAL | NORMAL |

McClung-Logan Virginia LLC- RICHMOND
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 US 23060
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 T:
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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 27.7 | 26.6 | 26.8 | 24.4 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|----------|---|----|---|
| Silicon | ppm | 4 | 7 | 19 | 8 |
| Sodium | ppm | 4 | 8 | 4 | 5 |
| Potassium | ppm | 2 | 0 | 4 | 7 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|------|------|----|
| Iron | ppm | 33 | 67 | 34 | 36 |
| Copper | ppm | 76 | 150 | 81 | 22 |
| Lead | ppm | 0 | 1 | 0 | <1 |
| Tin | ppm | 8 | ▲ 17 | 8 | 1 |
| Aluminum | ppm | 16 | 34 | 12 | 12 |
| Chromium | ppm | 0 | 0 | <1 | <1 |
| Molybdenum | ppm | <1 | <1 | 0 | 0 |
| Nickel | ppm | ▲ 14 | ▲ 26 | ▲ 13 | 2 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 1 | 3 | 4 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 95 | 114 | 105 | 172 |
| Magnesium | ppm | 0 | 0 | <1 | 1 |
| Zinc | ppm | 0 | 13 | 11 | 27 |
| Phosphorus | ppm | 212 | 181 | 164 | 223 |
| Barium | ppm | 0 | 0 | 2 | 0 |
| Boron | ppm | 88 | 75 | 67 | 65 |

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The nickel level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO8882
Unique No: 10466941
Signed: Angela Borella
Report Date: 12 May 2023

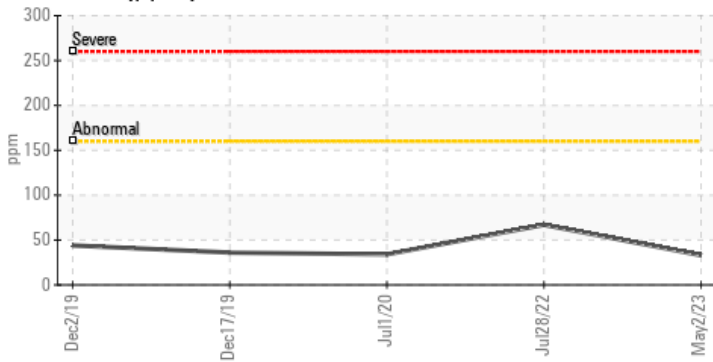


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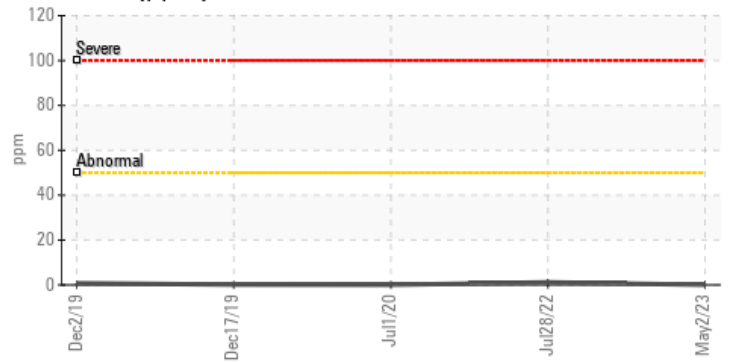


GRAPHS

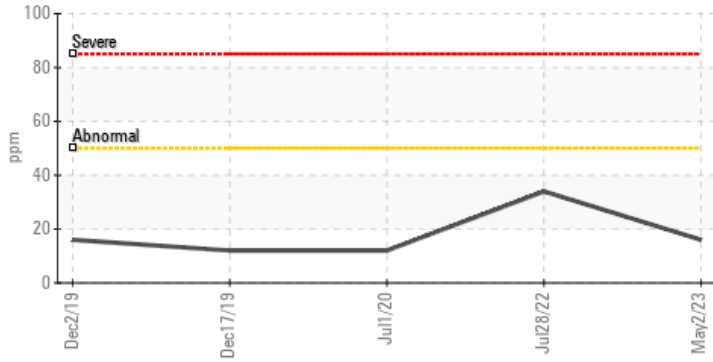
Iron (ppm)



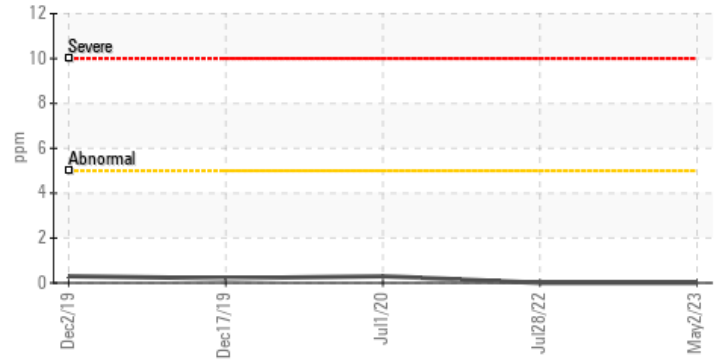
Lead (ppm)



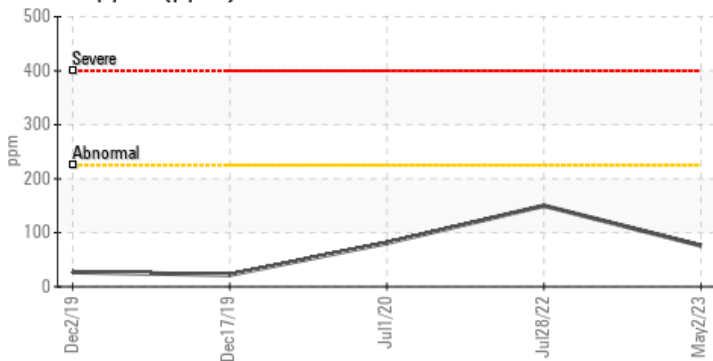
Aluminum (ppm)



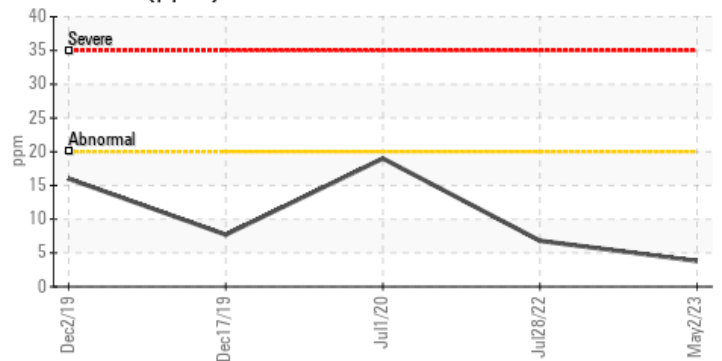
Chromium (ppm)



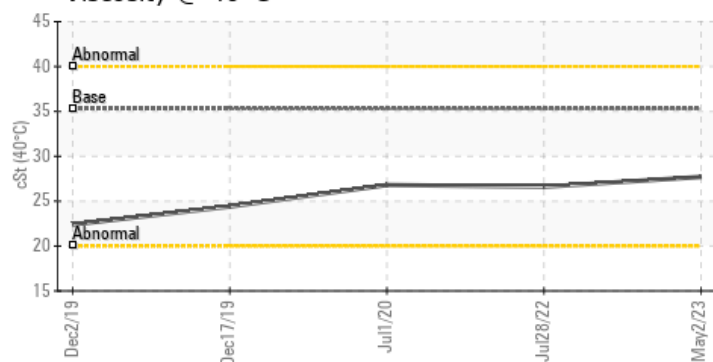
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

