



CONSTRUCTION EQUIPMENT

SPM606023 VOLVO L150H 6945 - TRANSMISSION (AUTO)



Sample No: VCP432767
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SPM606023



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP432767 | VCP408205 | VCP368014 | VCP379844 |
| Sample Date | 05 Sep 2023 | 30 Mar 2023 | 07 Jan 2023 | 01 Nov 2022 |
| Machine Hours | 6908 | 5534 | 4991 | 4416 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Not Changd | Not Changd | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

ORANGE COUNTY SOLID WASTE
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 US 32829
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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-------|------|
| Visc @ 40°C | cSt | 27.8 | 27.9 | 26.85 | 27.9 |
|-------------|-----|-------------|------|-------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---|---|---|
| Silicon | ppm | 8 | 8 | 6 | 9 |
| Sodium | ppm | 5 | 5 | 1 | 7 |
| Potassium | ppm | <1 | 2 | 2 | 0 |

Diagnosis

Resample at the next service interval to monitor. All 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.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 104 | 80 | 74 | 74 |
| Copper | ppm | 17 | 13 | 13 | 13 |
| Lead | ppm | <1 | 0 | 0 | 0 |
| Tin | ppm | <1 | 0 | 0 | 0 |
| Aluminum | ppm | 2 | 1 | 0 | 1 |
| Chromium | ppm | <1 | <1 | 0 | <1 |
| Molybdenum | ppm | 0 | <1 | 0 | <1 |
| Nickel | ppm | <1 | 0 | 0 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 5 | 5 | 4 | 5 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 92 | 84 | 78 | 78 |
| Magnesium | ppm | 3 | 6 | 2 | 0 |
| Zinc | ppm | 25 | 32 | 27 | 0 |
| Phosphorus | ppm | 200 | 196 | 180 | 200 |
| Barium | ppm | 4 | 6 | 6 | 0 |
| Boron | ppm | 52 | 55 | 59 | 67 |

Depot: ORAORL
Unique No: 10649044
Signed: Wes Davis
Report Date: 18 Sep 2023

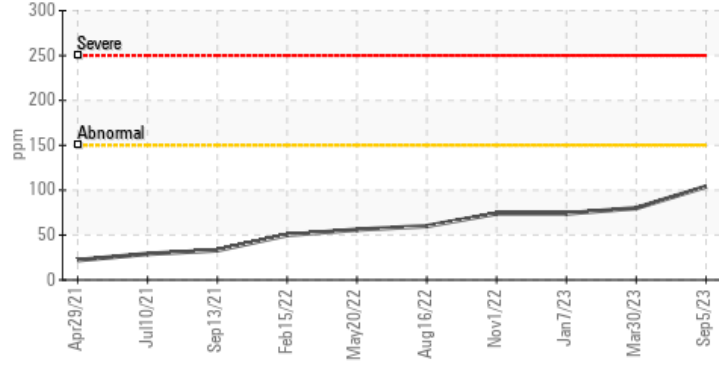


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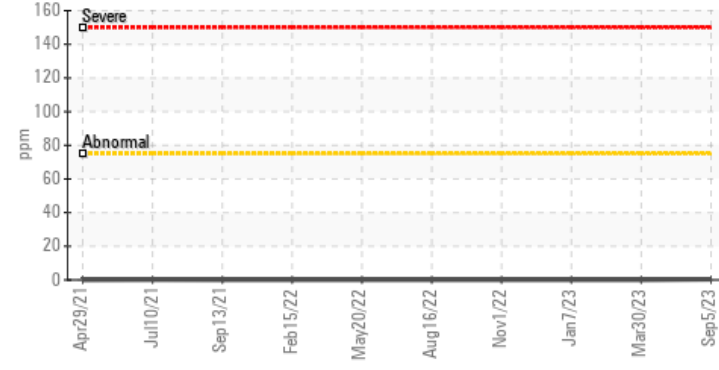


GRAPHS

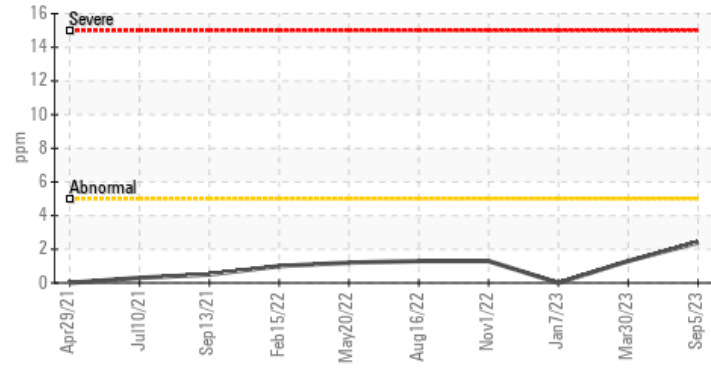
Iron (ppm)



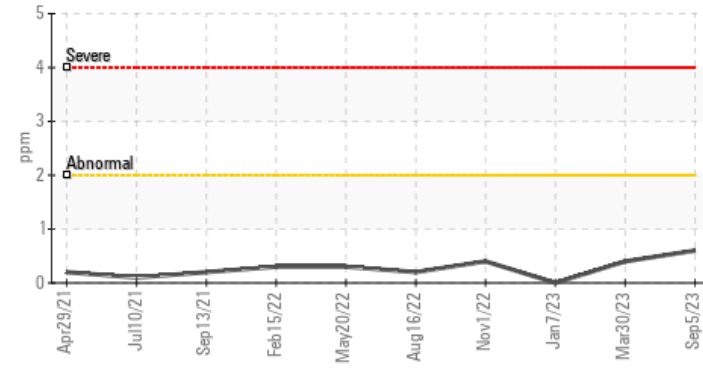
Lead (ppm)



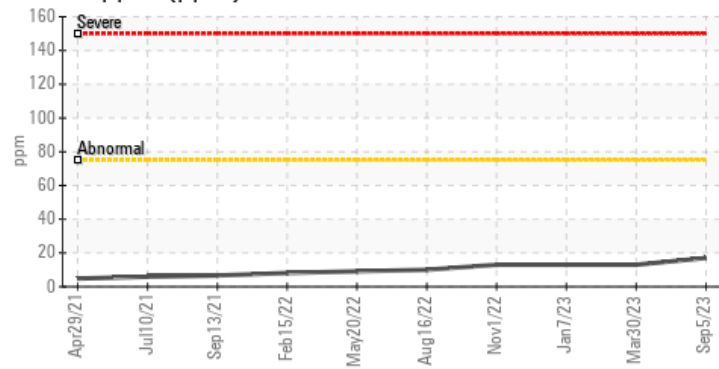
Aluminum (ppm)



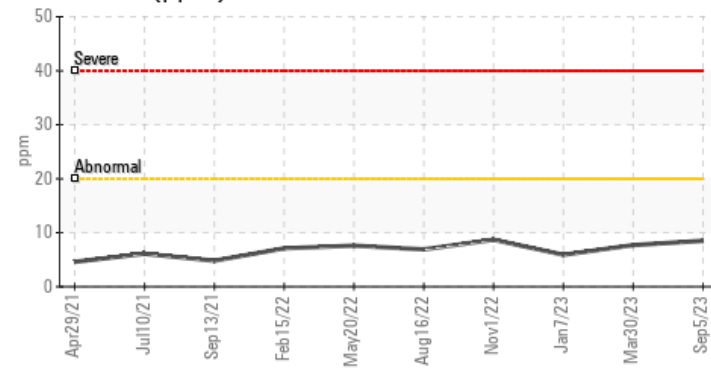
Chromium (ppm)



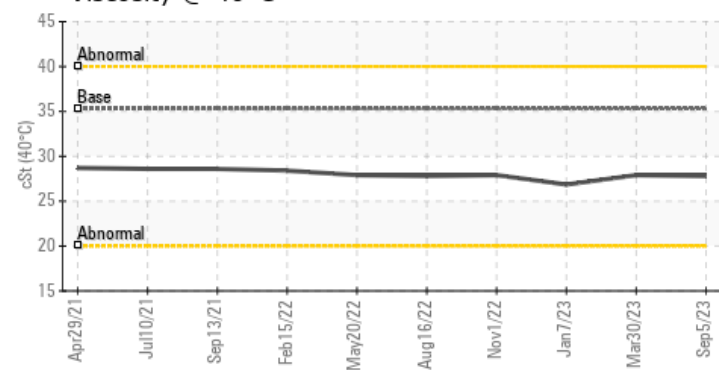
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

