



CONSTRUCTION EQUIPMENT

SW1032182 6 IAA VOLVO L90H 625150 - REAR AXLE



Sample No: VCP442958
Oil Type: VOLVO WB 102
Job No: SW1032182 6 IAA



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP442958 | VCP369006 | VCP299910 | --- |
| Sample Date | 28 Mar 2024 | 02 May 2023 | 13 Jan 2021 | --- |
| Machine Hours | 8415 | 6748 | 2044 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | 42.2 | 39.9 | 39.1 | --- |
|-------------|-----|-------------|------|------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 18 | 9 | 13 | --- |
| Sodium | ppm | 6 | 7 | 7 | --- |
| Potassium | ppm | 3 | 0 | 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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|-----|
| Iron | ppm | 68 | 58 | 45 | --- |
| Copper | ppm | 95 | 20 | 38 | --- |
| Lead | ppm | 2 | <1 | 2 | --- |
| Tin | ppm | <1 | 0 | 0 | --- |
| Aluminum | ppm | 4 | 5 | <1 | --- |
| Chromium | ppm | 2 | <1 | 2 | --- |
| Molybdenum | ppm | 1 | <1 | 0 | --- |
| Nickel | ppm | 1 | 0 | <1 | --- |
| Titanium | ppm | <1 | 0 | <1 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 2 | 1 | 3 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 4534 | 3717 | 4330 | --- |
| Magnesium | ppm | 15 | 23 | 10 | --- |
| Zinc | ppm | 1895 | 1581 | 1682 | --- |
| Phosphorus | ppm | 1554 | 1273 | 1477 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 144 | 116 | 119 | --- |

Depot: VOLVO6174
Unique No: 10963654
Signed: Wes Davis
Report Date: 05 Apr 2024

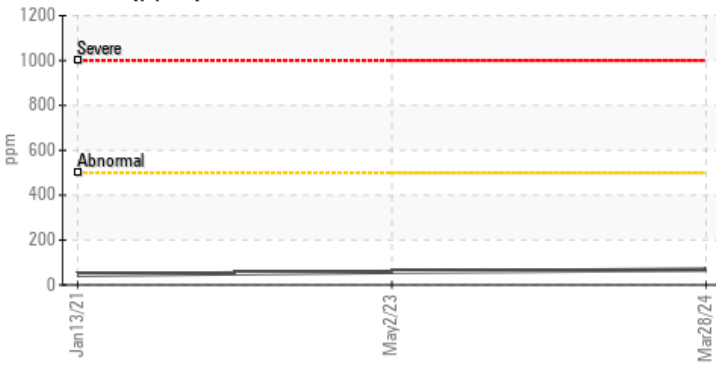


CONSTRUCTION EQUIPMENT

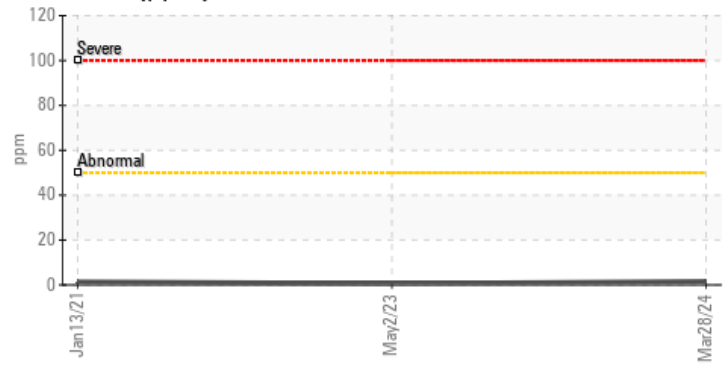


GRAPHS

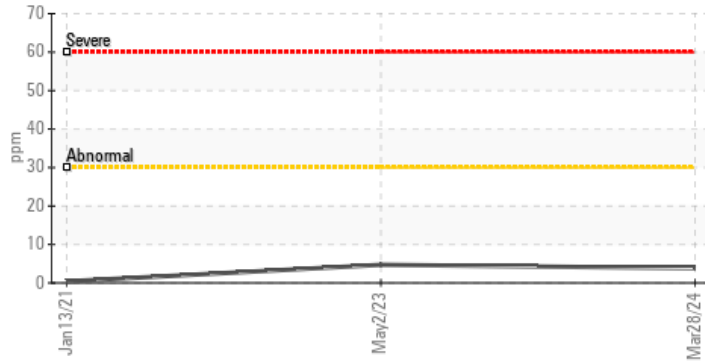
Iron (ppm)



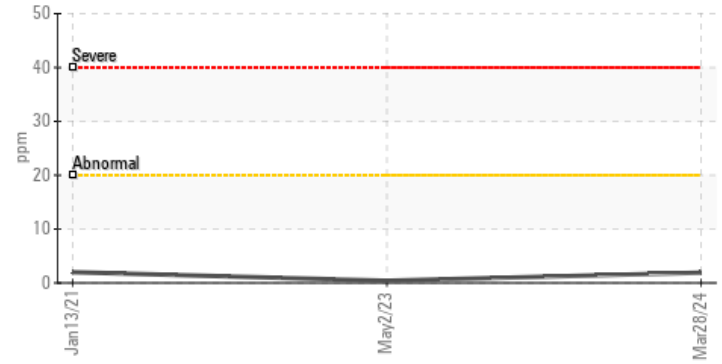
Lead (ppm)



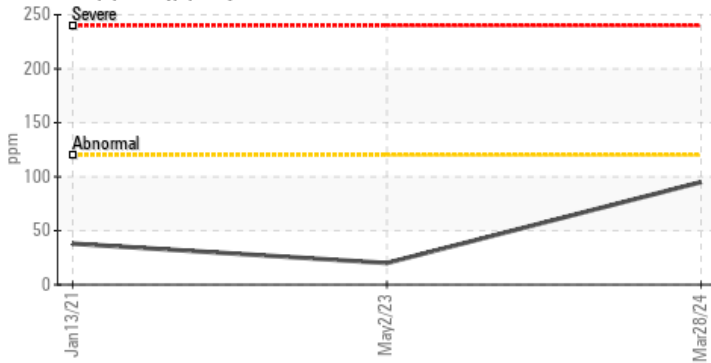
Aluminum (ppm)



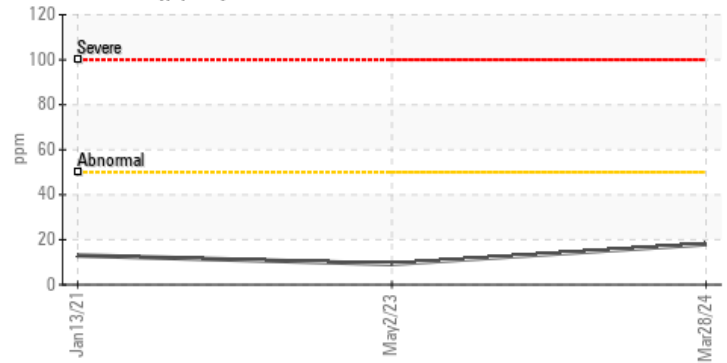
Chromium (ppm)



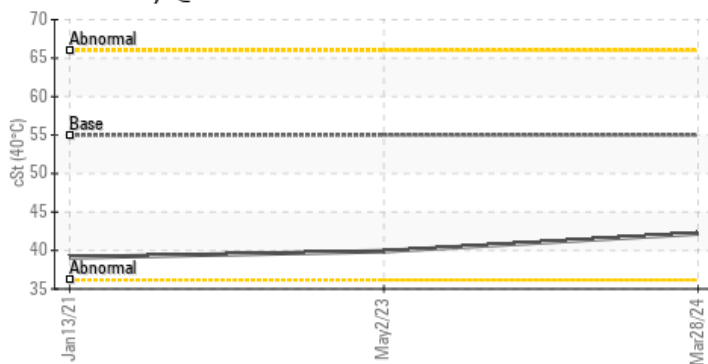
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

