



CONSTRUCTION EQUIPMENT

633029 ACEROS VOLVO L220H 3391 - TRANSMISSION (AUTO)



Sample No: VCP424395
Oil Type: VOLVO AT 102
Job No: 633029 ACEROS



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SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP424395 | VCP425792 | VCP393536 | --- |
| Sample Date | 07 Nov 2023 | 02 Jun 2023 | 01 Mar 2023 | --- |
| Machine Hours | 1968 | 1016 | 580 | --- |
| Oil Hours | 1968 | 1016 | 580 | --- |
| Oil Changed | Not Chngd | Not Chngd | Not Chngd | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | 27.5 | 27.8 | 27.8 | --- |
|-------------|-----|-------------|------|------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 5 | 4 | 4 | --- |
| Sodium | ppm | 2 | 0 | 1 | --- |
| Potassium | ppm | 1 | 1 | 0 | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|-----|
| Iron | ppm | 43 | 37 | 27 | --- |
| Copper | ppm | 4 | 4 | 2 | --- |
| Lead | ppm | 0 | 0 | 0 | --- |
| Tin | ppm | 0 | 0 | 0 | --- |
| Aluminum | ppm | 1 | 0 | <1 | --- |
| Chromium | ppm | <1 | 0 | 0 | --- |
| Molybdenum | ppm | 0 | <1 | 0 | --- |
| Nickel | ppm | <1 | <1 | 0 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 2 | 2 | 2 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 113 | 127 | 127 | --- |
| Magnesium | ppm | 1 | <1 | <1 | --- |
| Zinc | ppm | 3 | 5 | 0 | --- |
| Phosphorus | ppm | 279 | 279 | 279 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 101 | 125 | 115 | --- |

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.

Depot: VOLVO0093
Unique No: 10765349
Signed: Wes Davis
Report Date: 30 Nov 2023

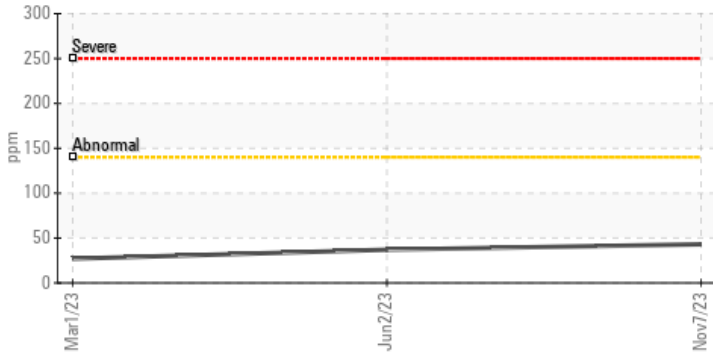


CONSTRUCTION EQUIPMENT

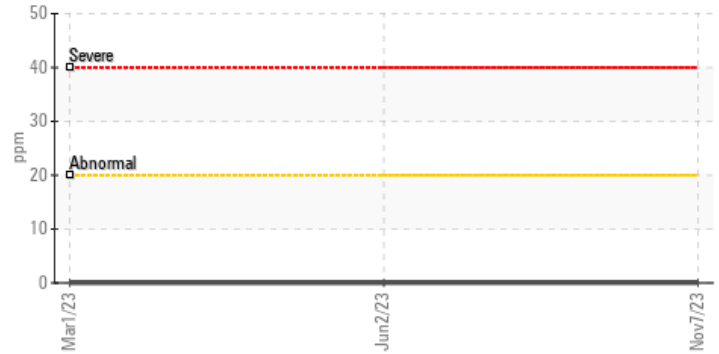


GRAPHS

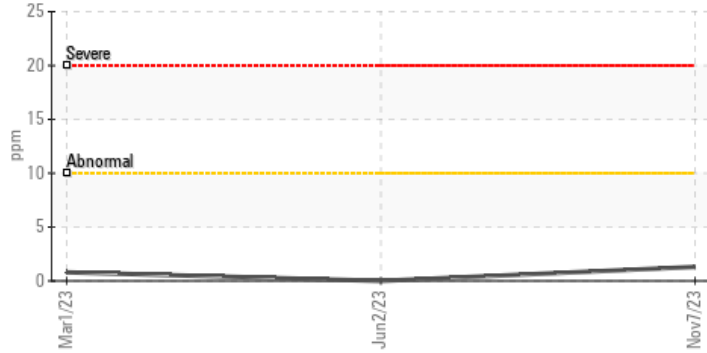
Iron (ppm)



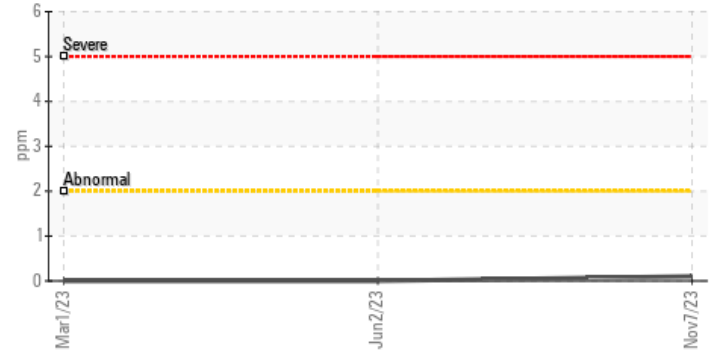
Lead (ppm)



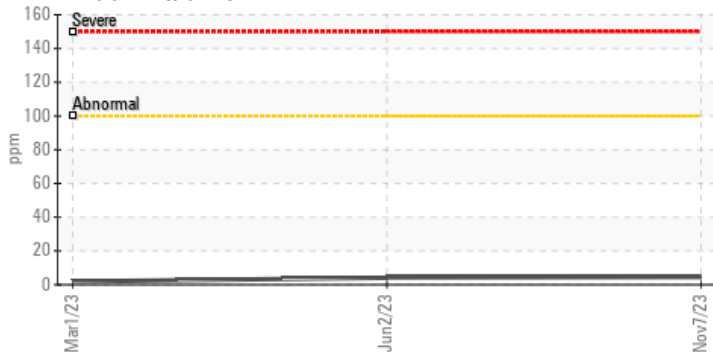
Aluminum (ppm)



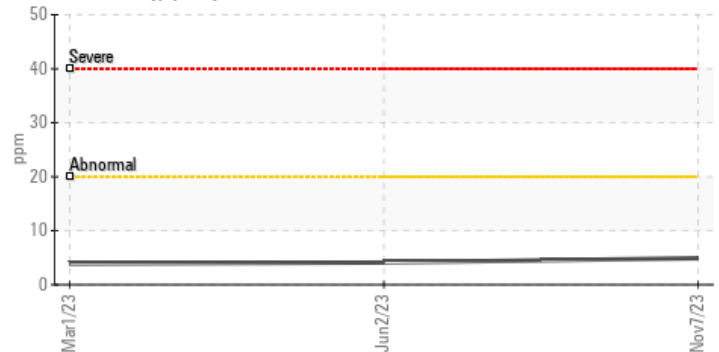
Chromium (ppm)



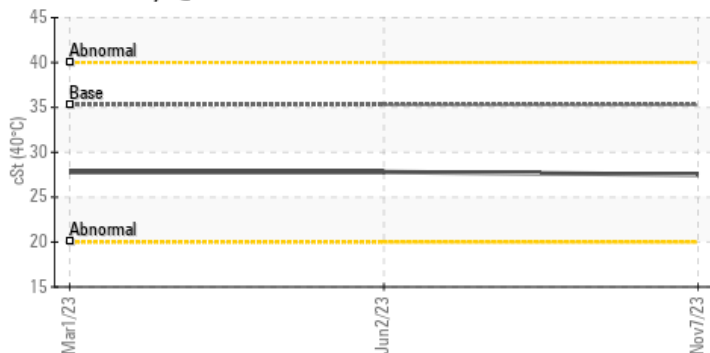
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

