



CONSTRUCTION EQUIPMENT

24929 VOLVO L220H 3130 - TRANSMISSION (AUTO)



Sample No: VCP455198
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 24929



218 - ASCENDUM MACHINERY INC - N. CHARLESTON
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SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP455198 | VCP304601 | --- | --- |
| Sample Date | 19 Mar 2024 | 10 Apr 2021 | --- | --- |
| Machine Hours | 12598 | 4561 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | N/A | --- | --- |
| Sample Status | SEVERE | NORMAL | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|------|------|-----|-----|
| Visc @ 40°C | cSt | 34.6 | 28.0 | --- | --- |
|-------------|-----|------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 67 | 0 | --- | --- |
| Sodium | ppm | 0 | 1 | --- | --- |
| Potassium | ppm | 1 | 0 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-----|----|-----|-----|
| Iron | ppm | 189 | 1 | --- | --- |
| Copper | ppm | 6 | <1 | --- | --- |
| Lead | ppm | <1 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 2 | <1 | --- | --- |
| Chromium | ppm | 1 | 0 | --- | --- |
| Molybdenum | ppm | <1 | 1 | --- | --- |
| Nickel | ppm | <1 | 0 | --- | --- |
| Titanium | ppm | <1 | 0 | --- | --- |
| Silver | ppm | 0 | <1 | --- | --- |
| Manganese | ppm | 2 | <1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 1022 | 99 | --- | --- |
| Magnesium | ppm | 5 | 10 | --- | --- |
| Zinc | ppm | 387 | 21 | --- | --- |
| Phosphorus | ppm | 441 | 165 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 95 | 81 | --- | --- |

Diagnosis

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is abnormal. Moderate concentration of visible metal present. There is a moderate amount of visible silt present in the sample. Moderate concentration of visible dirt/debris present in the fluid. Elemental level of silicon (Si) above normal. The fluid is no longer serviceable due to the presence of contaminants.

Depot: VOLVO3387
Unique No: 10940936
Signed: Don Baldrige
Report Date: 26 Mar 2024

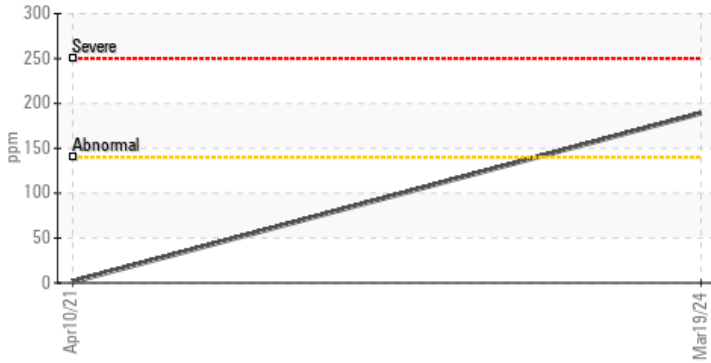


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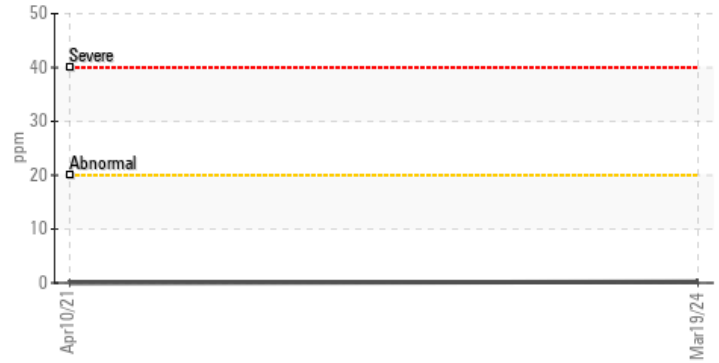


GRAPHS

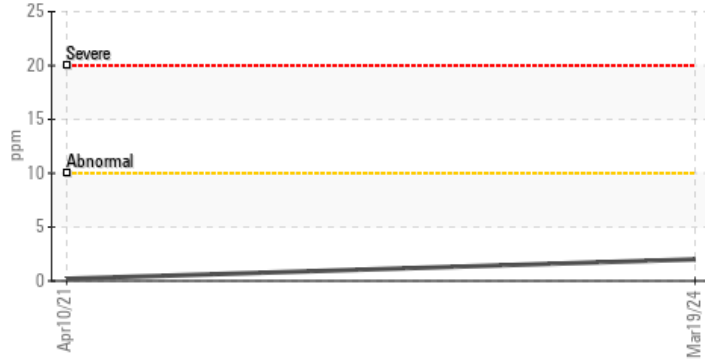
▲ Iron (ppm)



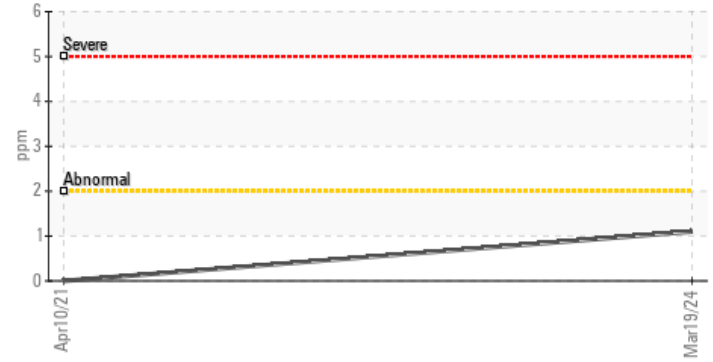
Lead (ppm)



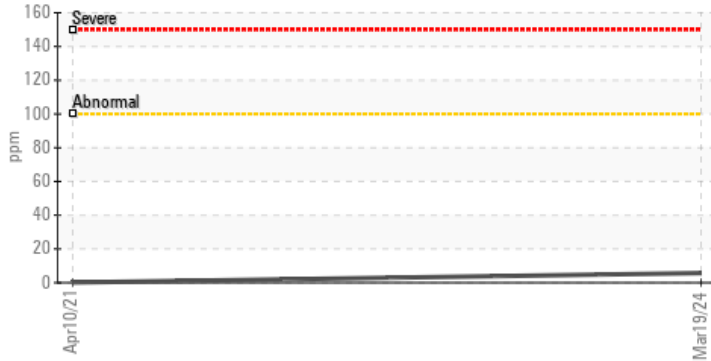
Aluminum (ppm)



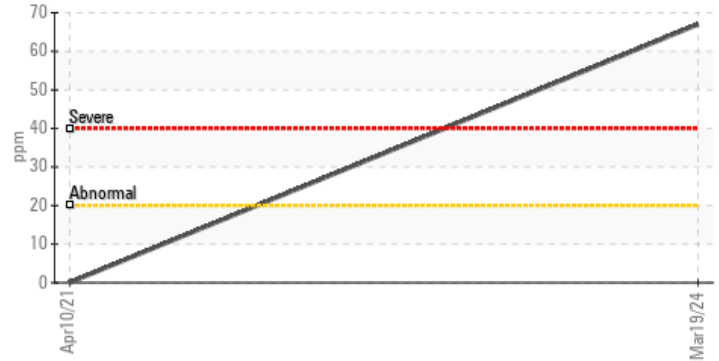
Chromium (ppm)



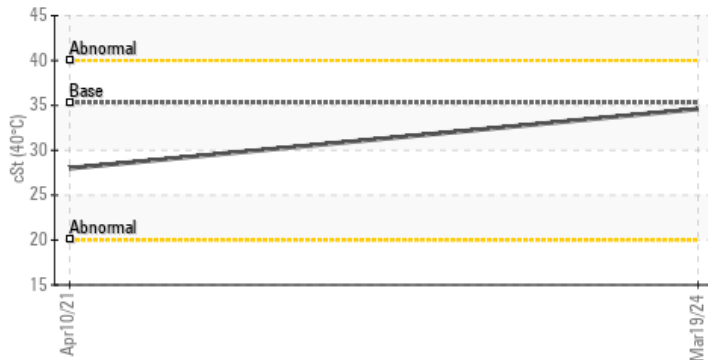
Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

