



CONSTRUCTION EQUIPMENT

620459 ATLAS ORG VOLVO L70H 623710 - TRANSMISSION (AUTO)



Sample No: VCP414494
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: 620459 ATLAS ORG



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP414494 | VCP425059 | --- | --- |
| Sample Date | 12 Oct 2023 | 29 Jun 2023 | --- | --- |
| Machine Hours | 8743 | 8172 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Chngd | Changed | --- | --- |
| Sample Status | NORMAL | ABNORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | 30.9 | 33.5 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|----------|---|-----|-----|
| Silicon | ppm | 5 | 6 | --- | --- |
| Sodium | ppm | 7 | 6 | --- | --- |
| Potassium | ppm | 3 | 2 | --- | --- |

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 | 122 | 208 | --- | --- |
| Copper | ppm | 89 | 168 | --- | --- |
| Lead | ppm | <1 | 0 | --- | --- |
| Tin | ppm | <1 | <1 | --- | --- |
| Aluminum | ppm | 2 | 2 | --- | --- |
| Chromium | ppm | <1 | <1 | --- | --- |
| Molybdenum | ppm | 0 | 1 | --- | --- |
| Nickel | ppm | <1 | 0 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 3 | 4 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 430 | 809 | --- | --- |
| Magnesium | ppm | 5 | 10 | --- | --- |
| Zinc | ppm | 255 | 457 | --- | --- |
| Phosphorus | ppm | 323 | 453 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 45 | 33 | --- | --- |

Depot: VOLVO0096
Unique No: 10698814
Signed: Sean Felton
Report Date: 19 Oct 2023

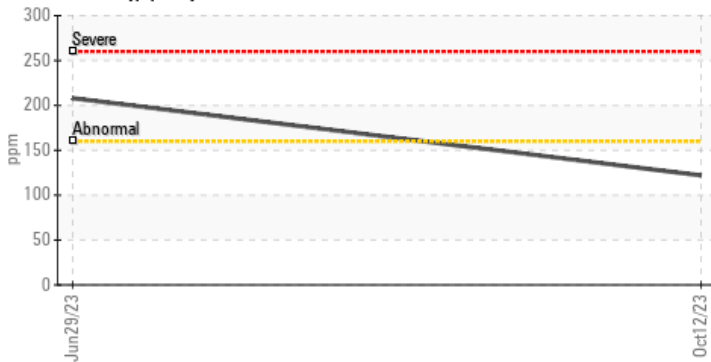


CONSTRUCTION EQUIPMENT

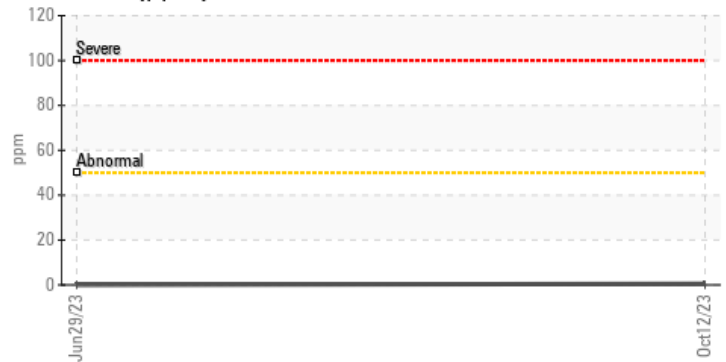


GRAPHS

Iron (ppm)



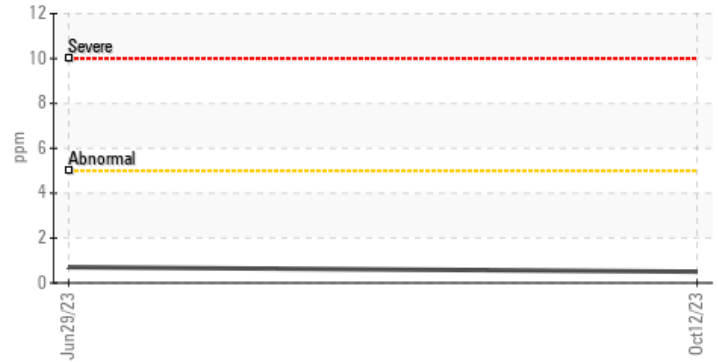
Lead (ppm)



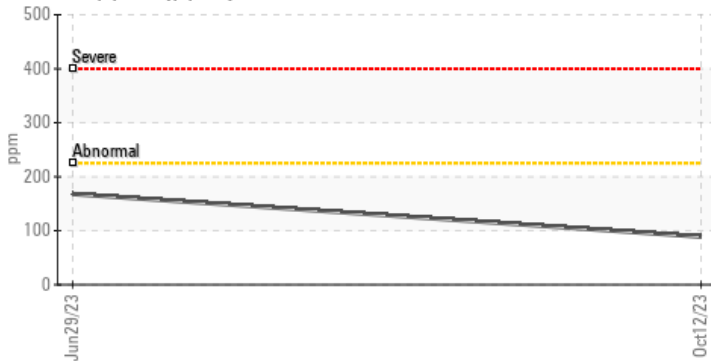
Aluminum (ppm)



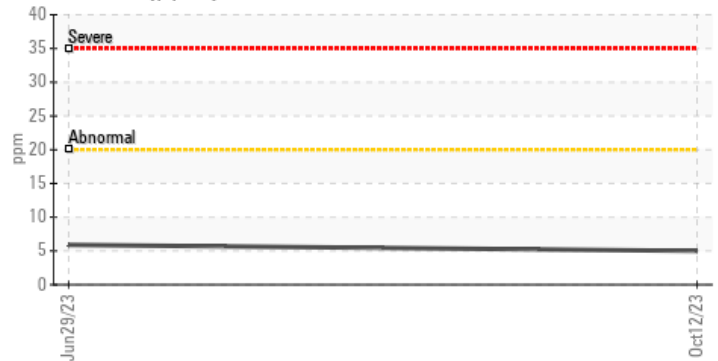
Chromium (ppm)



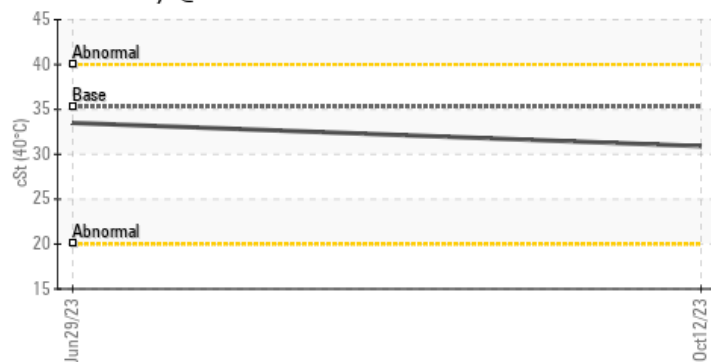
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

