



CONSTRUCTION EQUIPMENT

SW-32971-2 CML ROCK VOLVO L220H 3376 - TRANSMISSION (AUTO)



Sample No: VCP446601
Oil Type: VOLVO AUTOMATIC TRANSMISSION FLUID AT102
Job No: SW-32971-2 CML ROCK



ARNOLD MACHINERY COMPANY
 2975 WEST 2100 SOUTH
 SALT LAKE CITY, UT
 US 84119
 Contact: TONY PAYAN
 tpayan@arnoldmachinery.com
 T: (801)972-4000
 F: (801)975-9434



SAMPLE INFORMATION

Sample Number	VCP446601	---	---	---
Sample Date	22 Apr 2024	---	---	---
Machine Hours	4089	---	---	---
Oil Hours	4089	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 33.0	---	---	---
-------------	-----	--------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	■ 125	---	---	---
Copper	ppm	■ 160	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 692	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	■ 209	---	---	---
Phosphorus	ppm	■ 329	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 68	---	---	---

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: VOLVO8770
Unique No: 11004116
Signed: Jonathan Hester
Report Date: 01 May 2024

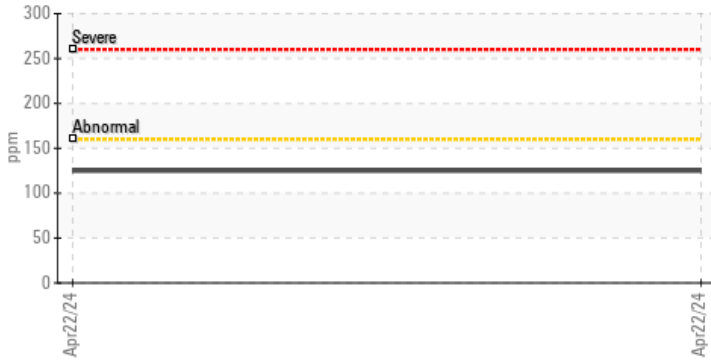


CONSTRUCTION EQUIPMENT



GRAPHS

Iron (ppm)



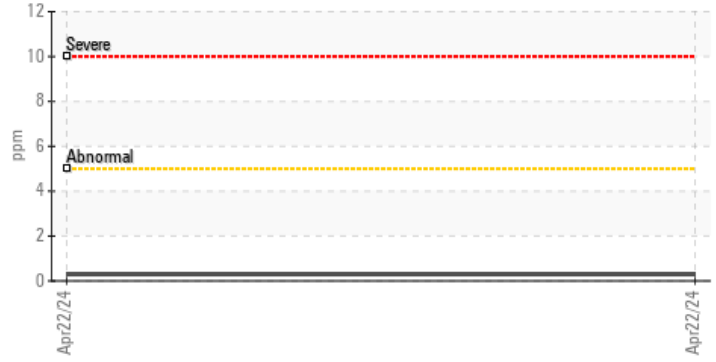
Lead (ppm)



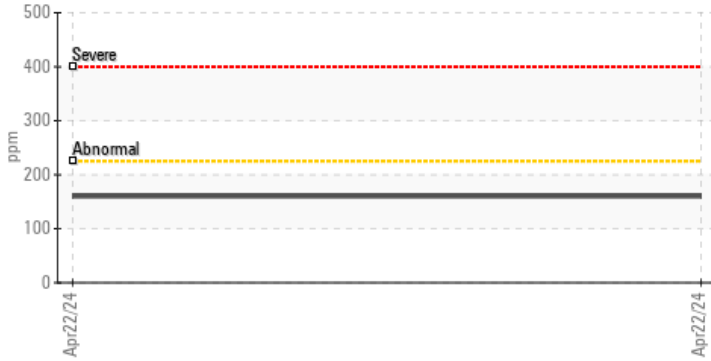
Aluminum (ppm)



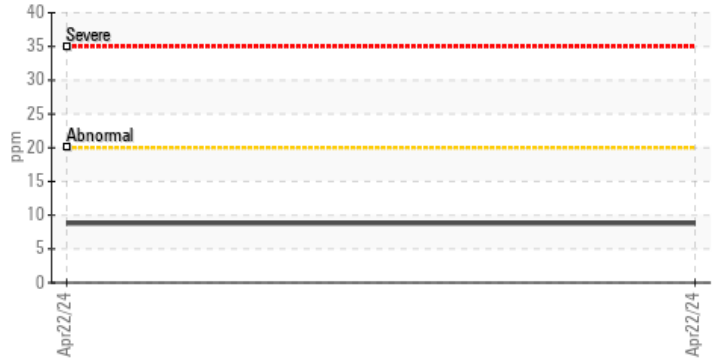
Chromium (ppm)



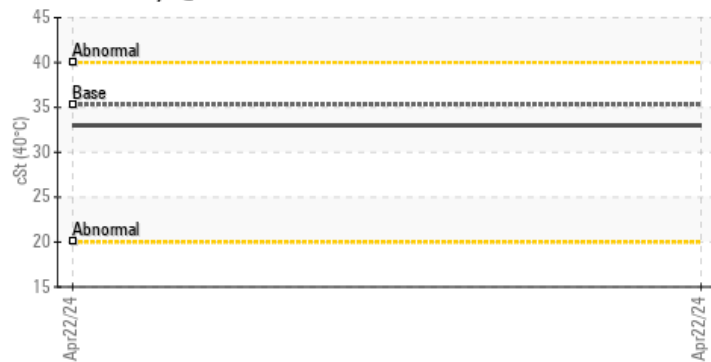
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

