



CONSTRUCTION EQUIPMENT

SW1028361 CUSTOM LS VOLVO L220H 3203 - TRANSMISSION



Sample No: VCP437528
Oil Type: ATF
Job No: SW1028361 CUSTOM LS



ARNOLD MACHINERY COMPANY
4323 EAST WINSLOW AVENUE
PHOENIX, AZ
US 85040
Contact: RANDY PRZEKURAT
randyp@arnoldmachinery.com
T:
F: (602)414-1904



SAMPLE INFORMATION

Sample Number	VCP437528	---	---	---
Sample Date	08 Feb 2024	---	---	---
Machine Hours	8002	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 32.5	---	---	---
-------------	-----	--------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 219	---	---	---
Copper	ppm	■ 167	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 7	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 186	---	---	---
Magnesium	ppm	■ 90	---	---	---
Zinc	ppm	■ 214	---	---	---
Phosphorus	ppm	■ 255	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 32	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The iron level is abnormal. Clutch and/or bushing/bearing wear is indicated. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VOLVO6174
Unique No: 10883460
Signed: Don Baldrige
Report Date: 17 Feb 2024

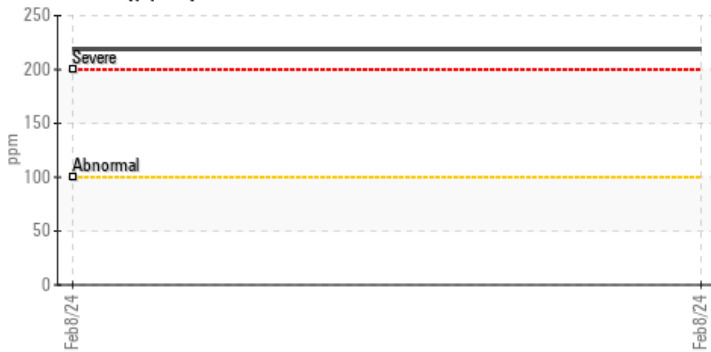


CONSTRUCTION EQUIPMENT



GRAPHS

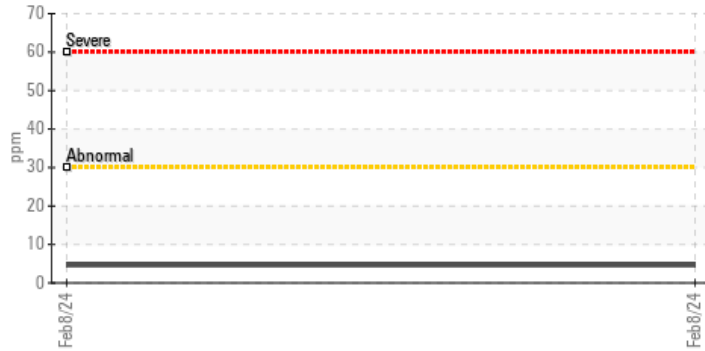
Iron (ppm)



Lead (ppm)



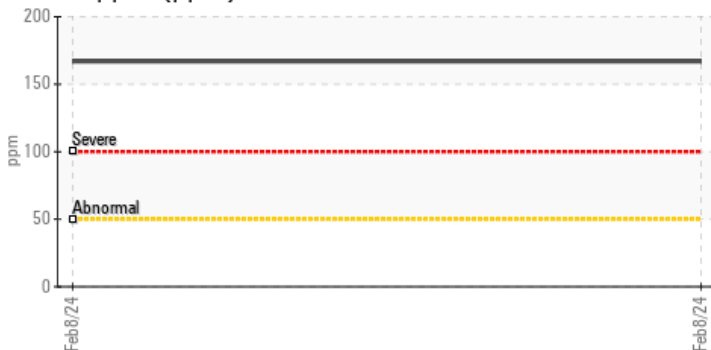
Aluminum (ppm)



Chromium (ppm)



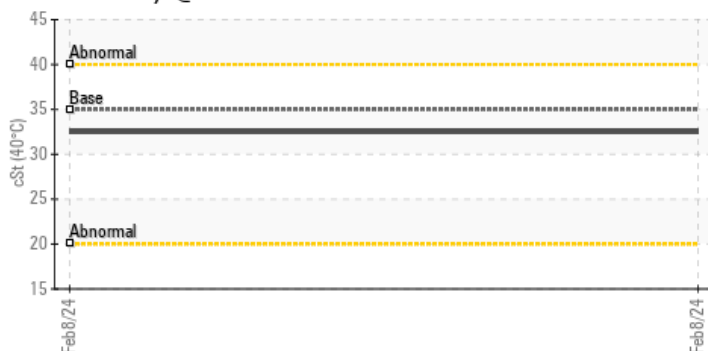
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

