



CONSTRUCTION EQUIPMENT

X21402 CRH VOLVO L220H 2821 - REAR AXLE



Sample No: VCP410548
Oil Type: VOLVO WB 102
Job No: X21402 CRH



SAMPLE INFORMATION

Sample Number	VCP410548	VCP374105	VCP404672	VCP405889
Sample Date	30 Oct 2023	21 Sep 2023	19 Jul 2023	15 May 2023
Machine Hours	9286	9058	8643	8210
Oil Hours	0	1000	0	4000
Oil Changed	N/A	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

HOUSBY HEAVY EQUIPMENT

PO BOX 1846
 CEDAR RAPIDS, IA
 US 52406
 Contact: KEN MAIER
 kmaier@housby.com
 T: (319)365-9155
 F: (319)365-2525



OIL CONDITION

Visc @ 40°C	cSt	46.7	43.3	43.7	40.3
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CONTAMINATION

Silicon	ppm	12	12	13	12
Sodium	ppm	<1	1	2	8
Potassium	ppm	0	1	0	1



WEAR METALS

Iron	ppm	33	43	42	69
Copper	ppm	0	1	<1	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	2	2	2
Chromium	ppm	<1	1	<1	2
Molybdenum	ppm	1	2	2	3
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3801	3704	4016	3840
Magnesium	ppm	37	31	34	31
Zinc	ppm	1518	1501	1647	1661
Phosphorus	ppm	1131	1203	1294	1308
Barium	ppm	0	0	0	0
Boron	ppm	149	135	142	116

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0074
Unique No: 10725297
Signed: Sean Felton
Report Date: 03 Nov 2023

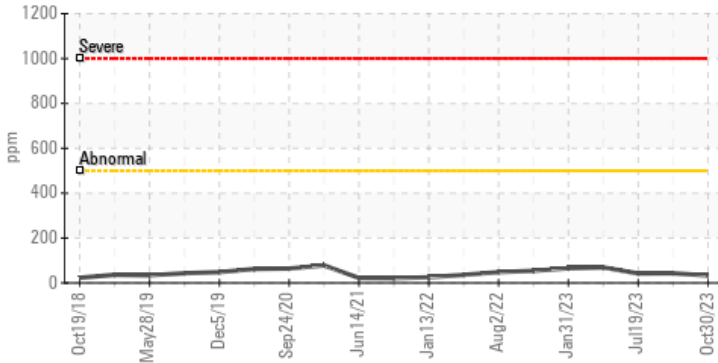


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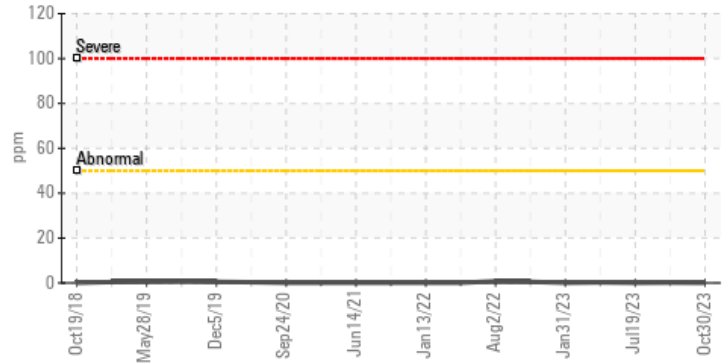


GRAPHS

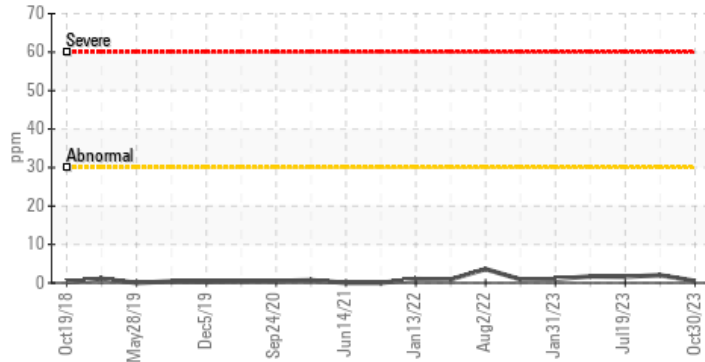
Iron (ppm)



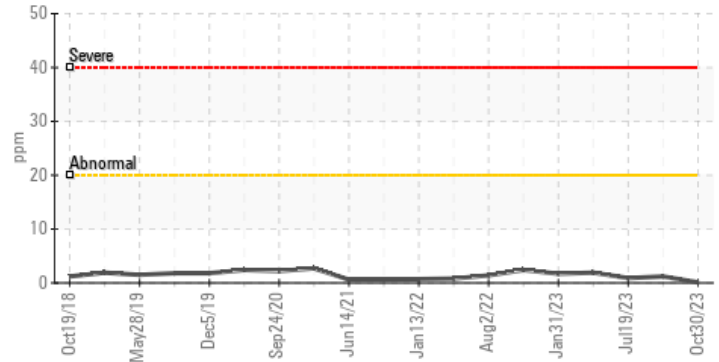
Lead (ppm)



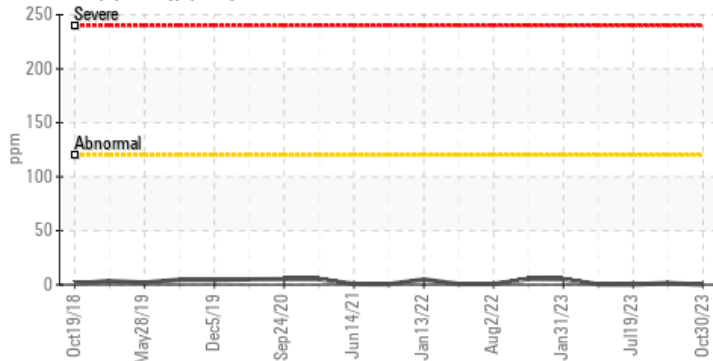
Aluminum (ppm)



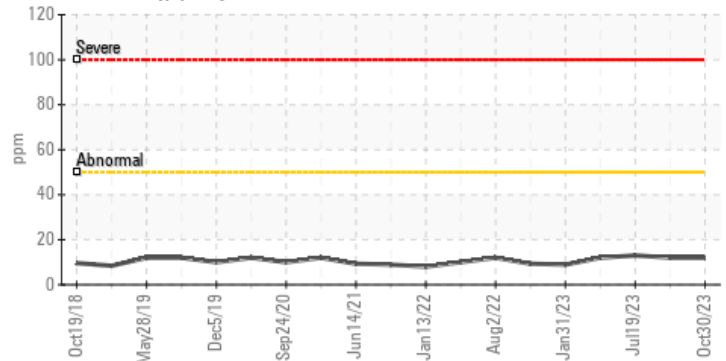
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C

