



CONSTRUCTION EQUIPMENT

SWA401361-10 VOLVO L220H 3195 - FRONT AXLE



Sample No: VCP432410
Oil Type: VOLVO WB 102
Job No: SWA401361-10



SAMPLE INFORMATION

Sample Number	VCP432410	VCP419115	VCP390234	VCP328801
Sample Date	29 Oct 2023	21 Aug 2023	01 Nov 2022	20 Jun 2022
Machine Hours	11063	10636	8642	7036
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	N/A
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

CALLANAN INDUSTRIES
 93 SULLIVAN RD
 MONTICELLO, NY
 US 12701
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	41.4	43.7	41.7	42.1
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	22	11	15
Sodium	ppm	7	8	7	8
Potassium	ppm	0	2	0	5

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.



WEAR METALS

Iron	ppm	80	82	40	23
Copper	ppm	1	<1	<1	<1
Lead	ppm	0	0	<1	1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	4	8	3	2
Chromium	ppm	1	2	<1	<1
Molybdenum	ppm	<1	0	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	<1	<1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	3054	3516	3445	3249
Magnesium	ppm	17	17	15	14
Zinc	ppm	1354	1471	1472	1320
Phosphorus	ppm	1177	1164	1129	1094
Barium	ppm	0	0	0	0
Boron	ppm	102	128	120	115

Depot: CALMONNY
Unique No: 10804175
Signed: Jonathan Hester
Report Date: 27 Dec 2023

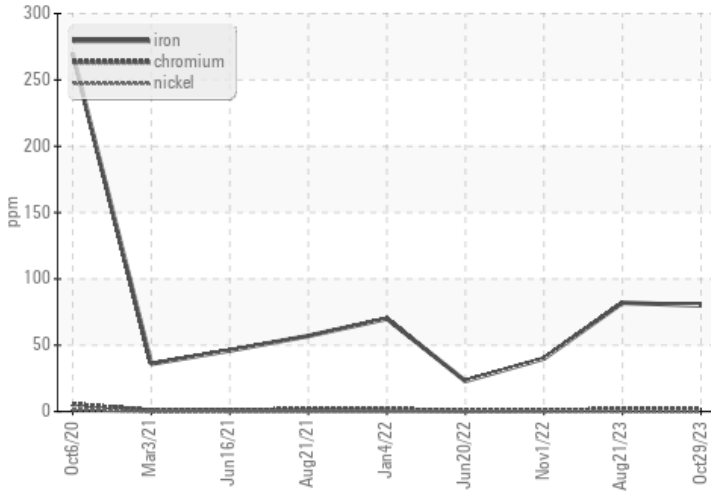


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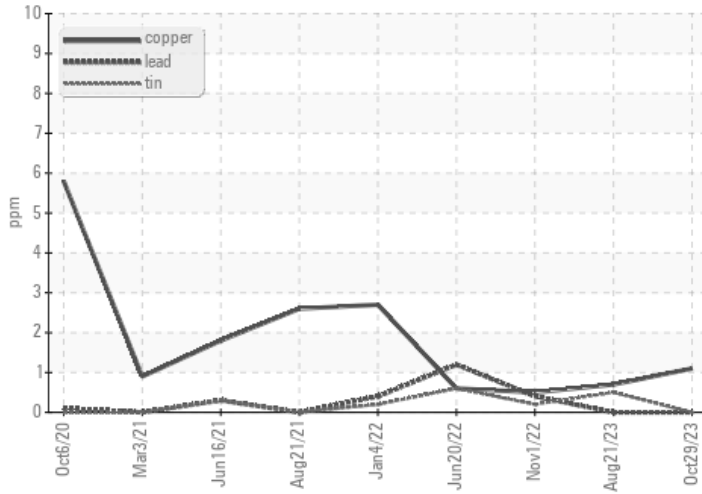


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

