



CONSTRUCTION EQUIPMENT

52214 IAA VOLVO L90H 623642 - TRANSMISSION (AUTO)



Sample No: VCP446596
Oil Type: VOLVO AT 102
Job No: 52214 IAA



SAMPLE INFORMATION

Sample Number	VCP446596	VCP363840	VCP326130	VCP291557
Sample Date	03 Apr 2024	04 Jan 2023	29 Oct 2021	10 Nov 2020
Machine Hours	12482	10471	8405	6393
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

VCES- VOLVO CONSTRUCTION EQUIPMENT

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 SAN LEANDRO, CA
 US 94577

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OIL CONDITION

Visc @ 40°C	cSt	27.1	26.6	26.1	25.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	7	7	11
Sodium	ppm	4	6	5	<1
Potassium	ppm	2	0	6	1

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	26	30	32	52
Copper	ppm	8	9	8	10
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	6	5	3	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	<1	0	0	<1
Manganese	ppm	<1	<1	1	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	90	86	87	107
Magnesium	ppm	2	2	<1	4
Zinc	ppm	15	2	16	21
Phosphorus	ppm	216	226	152	172
Barium	ppm	<1	0	<1	2
Boron	ppm	87	67	66	69

Depot: VOLVO4487
Unique No: 10967391
Signed: Jonathan Hester
Report Date: 11 Apr 2024

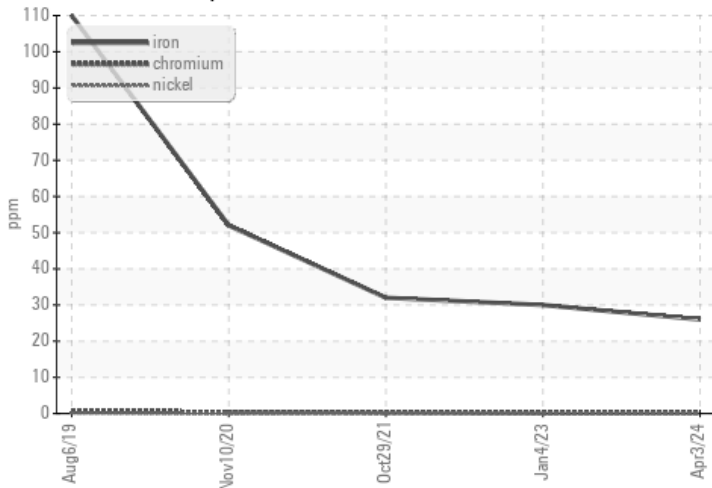


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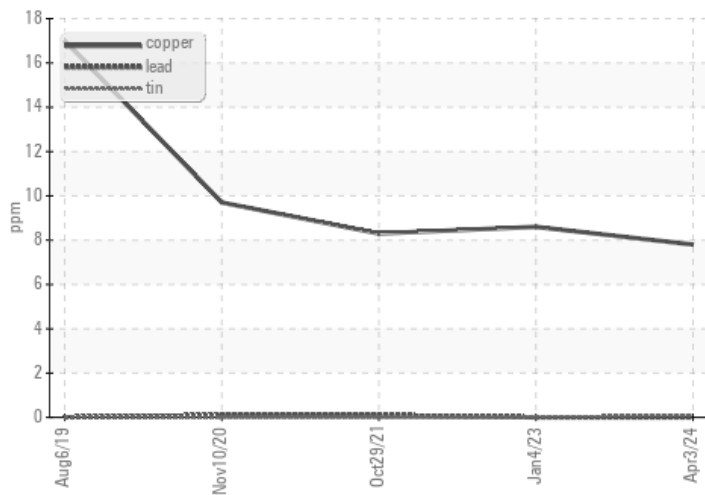


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

