



CONSTRUCTION EQUIPMENT

525703 VOLVO L220H 3194 - FRONT AXLE



Sample No: VCP428564
Oil Type: VOLVO WB 102
Job No: 525703



SAMPLE INFORMATION

Sample Number	VCP428564	VCP405633	VCP396087	VCP361709
Sample Date	05 Apr 2024	17 May 2023	13 Jan 2023	29 Jul 2022
Machine Hours	9203	7697	7191	6398
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

CALLANAN
 RT 32 677 FLATBUSH RD
 EAST KINGSTON, NY
 US 12401
 Contact:



OIL CONDITION

Visc @ 40°C	cSt	42.0	42.2	41.2	40.9
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	12	15	10
Sodium	ppm	3	4	6	7
Potassium	ppm	3	<1	2	0

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	41	15	30	27
Copper	ppm	1	0	<1	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	1	<1	0	<1
Aluminum	ppm	2	2	<1	1
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3935	3996	3936	3696
Magnesium	ppm	16	18	13	11
Zinc	ppm	1626	1713	1538	1512
Phosphorus	ppm	1405	1320	1227	1221
Barium	ppm	<1	0	0	0
Boron	ppm	135	118	138	135

Depot: CALEAS
Unique No: 10968185
Signed: Wes Davis
Report Date: 10 Apr 2024



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GRAPHS

