



CONSTRUCTION EQUIPMENT

578187 VOLVO L220H 3197 - FRONT AXLE



Sample No: VCP430332
Oil Type: VOLVO WB 102
Job No: 578187



SAMPLE INFORMATION

Sample Number	VCP430332	VCP409625	VCP363284	VCP336130
Sample Date	20 Jun 2024	28 Mar 2023	20 Jun 2022	03 Sep 2021
Machine Hours	9053	6366	4933	3905
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	43.2	38.9	40.1	39.7
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	13	14	11
Sodium	ppm	0	5	8	6
Potassium	ppm	2	2	0	2

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	28	116	81	65
Copper	ppm	1	2	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	2	2	<1
Chromium	ppm	<1	2	2	2
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	2	<1
Manganese	ppm	<1	2	2	2
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	4161	3222	3513	3732
Magnesium	ppm	16	8	13	12
Zinc	ppm	1685	1390	1451	1486
Phosphorus	ppm	1390	1157	1173	1229
Barium	ppm	1	0	<1	0
Boron	ppm	131	107	116	140

Depot: CALEAS
Unique No: 11096776
Signed: Wes Davis
Report Date: 25 Jun 2024



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GRAPHS

