



CONSTRUCTION EQUIPMENT

578187 VOLVO L220H 3197 - REAR AXLE



Sample No: VCP430299
Oil Type: VOLVO WB 102
Job No: 578187



SAMPLE INFORMATION

Sample Number	VCP430299	VCP409971	VCP359861	VCP336125
Sample Date	20 Jun 2024	28 Mar 2023	20 Jun 2022	02 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	ABNORMAL	NORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	42.8	38.9	39.8	39.9
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	14	17	14
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	31	118	60	43
Copper	ppm	2	2	2	2
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	3	2	3	<1
Chromium	ppm	<1	2	2	1
Molybdenum	ppm	<1	<1	1	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	0	<1
Manganese	ppm	1	2	2	2
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	4117	3217	3927	4173
Magnesium	ppm	16	8	15	13
Zinc	ppm	1677	1382	1557	1612
Phosphorus	ppm	1369	1165	1264	1342
Barium	ppm	1	0	0	0
Boron	ppm	129	108	131	156

Depot: CALEAS
Unique No: 11096775
Signed: Wes Davis
Report Date: 25 Jun 2024



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GRAPHS

