



CONSTRUCTION EQUIPMENT

660149 VOLVO L110H 631695 - FRONT AXLE



Sample No: VCP449220
Oil Type: VOLVO WB 102
Job No: 660149



SAMPLE INFORMATION

Sample Number	VCP449220	VCP408282	VCP386176	VCP354438
Sample Date	15 Jan 2024	26 May 2023	07 Nov 2022	19 Aug 2022
Machine Hours	19534	18421	17370	16204
Oil Hours	6000	2000	500	500
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

COVANTA
 350 FLAKENBURG ROAD
 TAMPA, FL
 US 33619
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	43.2	43.3	43.5	42.0
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T: (813)684-5688
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	30	31	13	13
Sodium	ppm	22	22	<1	2
Potassium	ppm	17	18	0	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	162	136	43	282
Copper	ppm	2	2	0	<1
Lead	ppm	<1	<1	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	11	10	1	1
Chromium	ppm	2	2	<1	4
Molybdenum	ppm	14	16	15	2
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	3	2	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	<1	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3829	4476	4129	3919
Magnesium	ppm	53	53	49	13
Zinc	ppm	1592	1679	1533	1611
Phosphorus	ppm	1240	1310	1246	1296
Barium	ppm	10	0	0	0
Boron	ppm	122	150	149	121

Depot: COVTAM
Unique No: 10886649
Signed: Wes Davis
Report Date: 21 Feb 2024



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VOLVO GRAPHS

