



CONSTRUCTION EQUIPMENT

19114 VOLVO L90H 624539 - FRONT AXLE



Sample No: VCP427107
Oil Type: VOLVO WB 102
Job No: 19114



SAMPLE INFORMATION

Sample Number	VCP427107	VCP403912	VCP378310	VCP329581
Sample Date	06 Jul 2023	28 Feb 2023	27 May 2022	15 Mar 2022
Machine Hours	8365	7761	6558	6112
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - CLAYTON
 60 SADISCO RD
 CLAYTON, NC
 US 27520
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	42.6	42.2	42.4	41.5
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T:
F:



CONTAMINATION

Silicon	ppm	33	14	14	11
Sodium	ppm	4	4	4	7
Potassium	ppm	3	0	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	108	44	23	38
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	6	1	1	2
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	2	2	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3989	3943	3950	3878
Magnesium	ppm	19	24	16	14
Zinc	ppm	1659	1457	1575	1656
Phosphorus	ppm	1307	1167	1250	1398
Barium	ppm	0	0	0	0
Boron	ppm	141	136	144	125

Depot: INSCLA
Unique No: 10552874
Signed: Don Baldrige
Report Date: 14 Jul 2023



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GRAPHS

