



CONSTRUCTION EQUIPMENT

9187 VOLVO L90H 623773 - FRONT AXLE



Sample No: VCP423084
Oil Type: VOLVO WB 102
Job No: 9187



SAMPLE INFORMATION

Sample Number	VCP423084	VCP387992	VCP306912	VCP249196
Sample Date	28 Jun 2023	01 Dec 2022	02 Apr 2021	24 Jun 2019
Machine Hours	8600	8178	5984	3904
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

IAA - INSURANCE AUTO AUCTIONS - ELKTON
 183 ZEITLER RD
 ELKTON, MD
 US 21921
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	44.2	43.4	44.3	39.94
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T:
F:



CONTAMINATION

Silicon	ppm	8	26	6	11
Sodium	ppm	<1	0	1	1
Potassium	ppm	0	1	0	2

Diagnosis

Resample at the next service interval to monitor. Presence of hydraulic fluid is inconclusive. 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	8	26	32	52
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	<1	4	<1	<1
Chromium	ppm	<1	1	<1	1
Molybdenum	ppm	<1	<1	1	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	<1	1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	2
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1996	3253	3236	3577
Magnesium	ppm	11	14	27	10
Zinc	ppm	1061	1374	1253	1411
Phosphorus	ppm	803	1098	1077	1104
Barium	ppm	0	0	0	0
Boron	ppm	59	109	105	104

Depot: IAAELK
Unique No: 10552845
Signed: Doug Bogart
Report Date: 16 Jul 2023



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GRAPHS

