



CONSTRUCTION EQUIPMENT

VOLVO L90H 623623 - FRONT AXLE



Sample No: VCP442692
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP442692	VCP337383	VCP302072	VCP270730
Sample Date	02 Feb 2024	09 Aug 2021	25 Jan 2021	20 Mar 2020
Machine Hours	13435	9114	8072	6543
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.2	41.9	40.1	39.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	28	11	10	15
Sodium	ppm	4	9	4	6
Potassium	ppm	2	0	1	3

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	46	13	16	31
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	9
Aluminum	ppm	1	0	0	<1
Chromium	ppm	1	<1	<1	1
Molybdenum	ppm	2	2	2	2
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3965	3906	4419	3978
Magnesium	ppm	19	15	23	14
Zinc	ppm	1595	1575	1600	1602
Phosphorus	ppm	1414	1238	1457	1253
Barium	ppm	0	0	0	<1
Boron	ppm	129	185	146	119

Depot: VOLVO0090
Unique No: 10862311
Signed: Wes Davis
Report Date: 06 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

