



CONSTRUCTION EQUIPMENT

IAA VOLVO L90H 624522 - REAR AXLE



Sample No: VCP437329
Oil Type: VOLVO WB 102
Job No: IAA



SAMPLE INFORMATION

Sample Number	VCP437329	VCP354115	VCP305445	VCP278052
Sample Date	30 Apr 2024	19 Jul 2022	06 Mar 2021	24 Aug 2020
Machine Hours	8135	6372	5960	3965
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.5	41.6	39.1	42.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	15	14	12
Sodium	ppm	0	8	8	8
Potassium	ppm	2	0	3	7

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	26	50	158	102
Copper	ppm	37	58	63	▲ 301
Lead	ppm	<1	2	2	3
Tin	ppm	4	8	0	▲ 28
Aluminum	ppm	1	2	1	<1
Chromium	ppm	<1	2	4	4
Molybdenum	ppm	6	5	3	<1
Nickel	ppm	<1	<1	2	1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	1	0	0
Manganese	ppm	<1	3	9	9
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	3883	3785	3764	3769
Magnesium	ppm	44	30	12	10
Zinc	ppm	1594	1510	1526	1511
Phosphorus	ppm	1278	1208	1307	1202
Barium	ppm	0	0	0	0
Boron	ppm	127	180	102	108

Depot: VOLVO0093
Unique No: 11083370
Signed: Wes Davis
Report Date: 17 Jun 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

