



CONSTRUCTION EQUIPMENT

SPM619897 VOLVO L90H 624199 - REAR AXLE



Sample No: VCP415333
Oil Type: VOLVO WB 102
Job No: SPM619897



SAMPLE INFORMATION

Sample Number	VCP415333	VCP354484	VCP373742	VCP358915
Sample Date	12 Oct 2023	22 Aug 2023	25 Jul 2022	23 Mar 2022
Machine Hours	9889	9032	7115	6496
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

UNITED SCRAP
 1545 S CICERO AVE
 CICERO, IL
 US 60804
 Contact: RON LUCHTENBURG
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	42.6	42.7	42.1	42.3
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CONTAMINATION

Silicon	ppm	17	13	11	12
Sodium	ppm	0	10	8	9
Potassium	ppm	0	<1	2	0



WEAR METALS

Iron	ppm	<1	30	12	11
Copper	ppm	0	<1	0	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	1	0	<1
Aluminum	ppm	<1	1	2	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	0	0	2
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3252	4140	4149	4182
Magnesium	ppm	39	21	14	17
Zinc	ppm	1525	1646	1599	1548
Phosphorus	ppm	1246	1303	1258	1317
Barium	ppm	0	0	2	0
Boron	ppm	0	165	155	130

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.

Depot: UNICICIL
Unique No: 10713396
Signed: Wes Davis
Report Date: 27 Oct 2023



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GRAPHS

