



CONSTRUCTION EQUIPMENT

225209 CRC WM VOLVO L120H 632093 - REAR AXLE



Sample No: VCP424197
Oil Type: VOLVO WB 102
Job No: 225209 CRC WM



SAMPLE INFORMATION

Sample Number	VCP424197	VCP371203	VCP362554	VCP344832
Sample Date	07 Sep 2023	01 Aug 2023	11 Oct 2022	18 Apr 2022
Machine Hours	18922	18768	16539	15363
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	N/A	N/A
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.8	39.8	39.7	40.1
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CONTAMINATION

Water	%	0.217	---	---	---
Silicon	ppm	9	11	9	13
Sodium	ppm	2	6	4	5
Potassium	ppm	0	2	2	2



WEAR METALS

Iron	ppm	12	84	50	183
Copper	ppm	<1	<1	0	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	<1	<1	1
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	2	19	13	52
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3861	4087	4067	4181
Magnesium	ppm	12	11	11	14
Zinc	ppm	1554	1631	1677	1733
Phosphorus	ppm	1269	1336	1357	1382
Barium	ppm	0	0	0	0
Boron	ppm	144	142	123	142

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO1271
Unique No: 10649009
Signed: Sean Felton
Report Date: 19 Sep 2023



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GRAPHS

