



CONSTRUCTION EQUIPMENT

SPM540449 VOLVO L220E 2 194 - FRONT AXLE



Sample No: VCP422742
Oil Type: VOLVO WB 102
Job No: SPM540449



SAMPLE INFORMATION

Sample Number	VCP422742	VCP365277	VCP345389	---
Sample Date	25 Apr 2023	10 Oct 2022	14 Apr 2022	---
Machine Hours	24189	25053	25025	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

WASTE MANAGEMENT - GARY
1508 SHERMAN ST
GARY, IN
US 46406
Contact: TARA RORK



OIL CONDITION

Visc @ 40°C	cSt	45.4	46.0	44.6	---
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T:
F:



CONTAMINATION

Silicon	ppm	3	4	4	---
Sodium	ppm	1	0	<1	---
Potassium	ppm	0	0	0	---

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	19	20	27	---
Copper	ppm	0	<1	3	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	1	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2051	2943	2338	---
Magnesium	ppm	9	8	10	---
Zinc	ppm	1044	1252	1120	---
Phosphorus	ppm	846	1040	961	---
Barium	ppm	0	0	0	---
Boron	ppm	7	15	12	---

Depot: WASGARIN
Unique No: 10458338
Signed: Sean Felton
Report Date: 09 May 2023



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GRAPHS

