



CONSTRUCTION EQUIPMENT

W215513 VOLVO L220H 3193 - FRONT AXLE



Sample No: VCP321784
Oil Type: VOLVO WB 102
Job No: W215513



SAMPLE INFORMATION

Sample Number	VCP321784	VCP268665	VCP267878	---
Sample Date	22 Jul 2021	14 Jul 2020	22 May 2020	---
Machine Hours	4950	2646	2289	---
Oil Hours	2000	2646	2289	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

CALLANAN
 RT 32 677 FLATBUSH RD
 EAST KINGSTON, NY
 US 12401
 Contact:



OIL CONDITION

Visc @ 40°C	cSt	36.7	39.7	39.6	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	11	9	11	---
Sodium	ppm	3	4	3	---
Potassium	ppm	<1	0	2	---

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	57	57	129	---
Copper	ppm	11	8	7	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	<1	3	---
Molybdenum	ppm	1	<1	1	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	2	2	4	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3658	3423	3643	---
Magnesium	ppm	8	5	7	---
Zinc	ppm	1473	1491	1366	---
Phosphorus	ppm	1264	1142	1266	---
Barium	ppm	0	0	0	---
Boron	ppm	171	109	108	---

Depot: CALEAS
Unique No: 9610327
Signed: Wes Davis
Report Date: 09 Aug 2021



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GRAPHS

