



CONSTRUCTION EQUIPMENT

495 VOLVO L90H 624946 - REAR AXLE



Sample No: VCP391414
Oil Type: VOLVO WB 102
Job No: 495



SAMPLE INFORMATION

Sample Number	VCP391414	VCP263730	VCP281718	---
Sample Date	08 Feb 2024	09 Mar 2021	22 Oct 2020	---
Machine Hours	4775	1528	2023	---
Oil Hours	781	0	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	SEVERE	---

SODERBERG CONSTRUCTION
 460 YORK STREET
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OIL CONDITION

Visc @ 40°C	cSt	43.0	40.2	39.6	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	16	16	17	---
Sodium	ppm	3	5	8	---
Potassium	ppm	0	0	<1	---

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	34	124	200	---
Copper	ppm	5	75	311	---
Lead	ppm	0	<1	5	---
Tin	ppm	<1	3	36	---
Aluminum	ppm	<1	<1	2	---
Chromium	ppm	<1	5	6	---
Molybdenum	ppm	0	3	4	---
Nickel	ppm	0	1	3	---
Titanium	ppm	0	<1	1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	10	12	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3652	4362	4257	---
Magnesium	ppm	15	9	12	---
Zinc	ppm	1374	1733	1613	---
Phosphorus	ppm	1151	1406	1357	---
Barium	ppm	0	0	0	---
Boron	ppm	122	128	118	---

Depot: SODCAR
Unique No: 10896974
Signed: Wes Davis
Report Date: 26 Feb 2024



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GRAPHS

