



CONSTRUCTION EQUIPMENT

SWA518493-40 VOLVO L90H 625935 - REAR AXLE



Sample No: VCP436048
Oil Type: VOLVO WB 102
Job No: SWA518493-40



SAMPLE INFORMATION

Sample Number	VCP436048	VCP332257	VCP332155	---
Sample Date	19 Mar 2024	27 Apr 2022	28 Dec 2021	---
Machine Hours	3996	1030	504	---
Oil Hours	4000	1030	500	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

IAA - INSURANCE AUTO AUCTIONS - ROCK TAVERN
 39 STONE CASTLE RD
 ROCK TAVERN, NY
 US 12575
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	39.2	39.5	40.0	---
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T:
F:



CONTAMINATION

Water	%	0.320	NEG	NEG	---
Silicon	ppm	12	11	12	---
Sodium	ppm	8	9	5	---
Potassium	ppm	3	0	<1	---

Diagnosis

The oil change at the time of sampling has been noted. 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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	55	34	33	---
Copper	ppm	74	1	1	---
Lead	ppm	<1	0	<1	---
Tin	ppm	2	<1	0	---
Aluminum	ppm	1	<1	3	---
Chromium	ppm	2	1	1	---
Molybdenum	ppm	2	5	6	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	4	5	5	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	3462	3890	4267	---
Magnesium	ppm	9	10	10	---
Zinc	ppm	1471	1531	1594	---
Phosphorus	ppm	1253	1311	1397	---
Barium	ppm	1	0	0	---
Boron	ppm	120	126	135	---

Depot: INSROC
Unique No: 11004014
Signed: Jonathan Hester
Report Date: 01 May 2024



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GRAPHS

