



CONSTRUCTION EQUIPMENT

VOLVO L90H 624818 - FRONT AXLE



Sample No: VCP411635
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP411635	VCP313199	VCP293893	---
Sample Date	05 Jun 2023	14 Oct 2021	08 Dec 2020	---
Machine Hours	3023	2055	983	---
Oil Hours	0	1500	983	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
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 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	40.3	40.1	39.9	---
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CONTAMINATION

Silicon	ppm	11	15	8	---
Sodium	ppm	5	6	<1	---
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	77	71	30	---
Copper	ppm	0	1	<1	---
Lead	ppm	0	<1	0	---
Tin	ppm	0	1	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	4	4	2	---
Molybdenum	ppm	12	14	8	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	11	10	6	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	3881	4333	4134	---
Magnesium	ppm	12	0	9	---
Zinc	ppm	1660	1676	1537	---
Phosphorus	ppm	1313	1368	1323	---
Barium	ppm	0	0	0	---
Boron	ppm	127	133	127	---

Depot: RIPTAM
Unique No: 10552318
Signed: Wes Davis
Report Date: 13 Jul 2023



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GRAPHS

