



CONSTRUCTION EQUIPMENT

VOLVO L90H 624818 - REAR AXLE



Sample No: VCP452251

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No:



SAMPLE INFORMATION

Sample Number	VCP452251	VCP452254	VCP411636	VCP313202
Sample Date	30 Jan 2024	30 Jan 2024	05 Jun 2023	14 Oct 2021
Machine Hours	4037	4037	3023	2055
Oil Hours	0	0	0	1500
Oil Changed	N/A	N/A	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	40.3	40.1	40.5	40.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	13	14	15
Sodium	ppm	0	<1	5	0
Potassium	ppm	3	2	0	2

Diagnosis

Resample at the next service interval to monitor. NOTE: one of two samples received with same ID and sampling date. 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	133	99	105	92
Copper	ppm	75	1	61	47
Lead	ppm	0	0	0	<1
Tin	ppm	6	0	6	4
Aluminum	ppm	2	2	1	1
Chromium	ppm	4	4	4	4
Molybdenum	ppm	5	11	6	6
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	1
Manganese	ppm	12	12	11	11
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3822	4020	3907	4363
Magnesium	ppm	17	13	11	13
Zinc	ppm	1629	1825	1651	1647
Phosphorus	ppm	1146	1214	1330	1409
Barium	ppm	5	5	0	0
Boron	ppm	132	138	132	143

Depot: RIPTAM
Unique No: 10863735
Signed: Jonathan Hester
Report Date: 08 Feb 2024



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VOLVO GRAPHS

