



CONSTRUCTION EQUIPMENT

VOLVO L110H 631978 - FRONT AXLE



Sample No: VCP446026
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP446026	VCP454126	VCP414722	VCP400232
Sample Date	19 Apr 2024	05 Feb 2024	31 Aug 2023	08 Dec 2022
Machine Hours	5374	5168	4344	3188
Oil Hours	0	0	3000	500
Oil Changed	Not Changd	N/A	Changed	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	43.0	43.2	42.8	44.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	29	17	30	27
Sodium	ppm	0	0	0	5
Potassium	ppm	0	0	2	0

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	20	30	376	343
Copper	ppm	0	0	1	1
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	1	<1	0	2
Chromium	ppm	0	<1	5	4
Molybdenum	ppm	0	0	16	12
Nickel	ppm	0	0	2	1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	15	10
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3906	3764	3983	3914
Magnesium	ppm	10	15	16	32
Zinc	ppm	1645	1564	1588	1520
Phosphorus	ppm	1322	1313	1246	1226
Barium	ppm	0	<1	1	0
Boron	ppm	141	128	116	139

Depot: RIPTAM
Unique No: 11044769
Signed: Wes Davis
Report Date: 24 May 2024



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VOLVO GRAPHS

