



CONSTRUCTION EQUIPMENT

VOLVO L110H 631978 - REAR AXLE



Sample No: VCP454404
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP454404	VCP417638	VCP381368	VCP375966
Sample Date	19 Apr 2024	31 Aug 2023	08 Dec 2022	09 Jun 2022
Machine Hours	5377	4344	3188	2197
Oil Hours	0	3000	500	1500
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	ABNORMAL	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	43.8	43.2	44.3	42.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	41	27	18
Sodium	ppm	<1	6	5	9
Potassium	ppm	0	2	0	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	298	501	342	291
Copper	ppm	0	<1	1	2
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	<1	1
Aluminum	ppm	<1	3	2	2
Chromium	ppm	1	5	4	5
Molybdenum	ppm	<1	8	12	4
Nickel	ppm	0	2	1	2
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	3	7	9	10
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3397	4237	3864	4087
Magnesium	ppm	14	28	31	11
Zinc	ppm	1447	1726	1500	1570
Phosphorus	ppm	1126	1392	1213	1247
Barium	ppm	0	1	0	0
Boron	ppm	127	139	139	159

Depot: RIPTAM
Unique No: 11044771
Signed: Wes Davis
Report Date: 24 May 2024



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GRAPHS

