



CONSTRUCTION EQUIPMENT

VOLVO L110H 631123 - REAR AXLE



Sample No: VCP446468
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP446468	VCP411359	VCP367201	VCP284875
Sample Date	10 Jul 2024	11 Apr 2023	09 Sep 2022	07 Aug 2020
Machine Hours	9296	7290	6136	4074
Oil Hours	0	3200	500	2000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	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	41.2	41.1	42.1	40.1
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CONTAMINATION

Water	%	NEG	NEG	▲ 0.469	NEG
Silicon	ppm	12	9	16	19
Sodium	ppm	5	7	6	4
Potassium	ppm	2	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	105	120	152	256
Copper	ppm	<1	<1	<1	3
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	<1	<1	0
Chromium	ppm	1	2	2	2
Molybdenum	ppm	9	2	12	2
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	2	1	2	4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3361	3236	4015	3787
Magnesium	ppm	36	19	45	11
Zinc	ppm	1459	1515	1601	1547
Phosphorus	ppm	1370	1316	1285	1251
Barium	ppm	0	0	0	0
Boron	ppm	121	118	130	165

Depot: RIPTAM
Unique No: 11125323
Signed: Sean Felton
Report Date: 17 Jul 2024

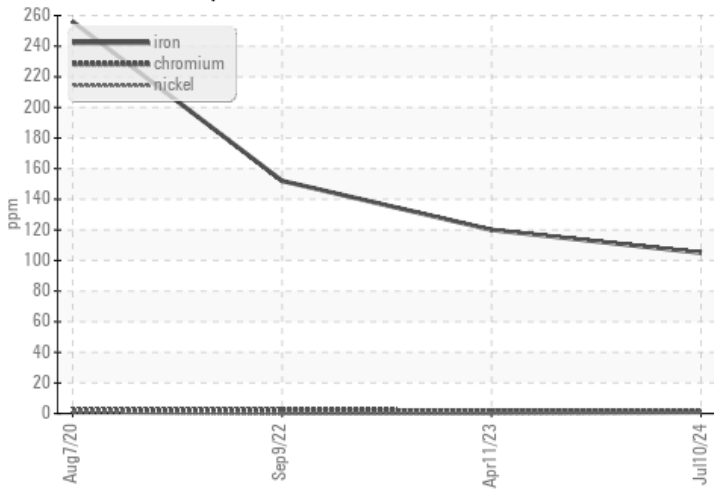


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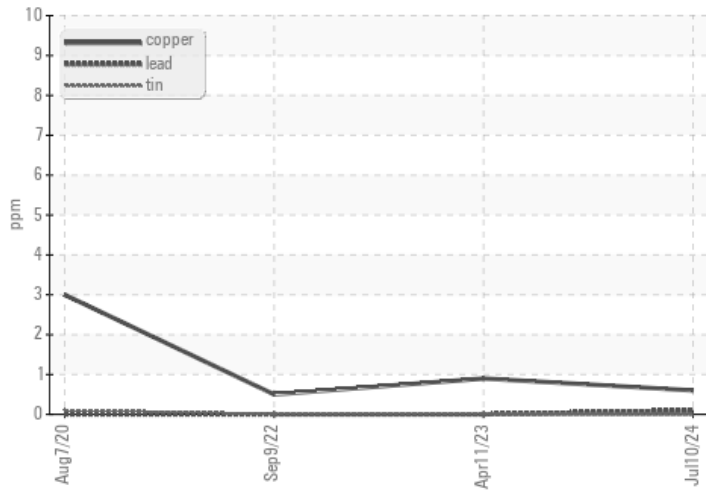


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

