



CONSTRUCTION EQUIPMENT

9941 VOLVO L70G 614340 - FRONT AXLE



Sample No: VCP388527
Oil Type: VOLVO WB 102
Job No: 9941



SAMPLE INFORMATION

Sample Number	VCP388527	VCP290943	VCP220451	VCP196121
Sample Date	20 Nov 2023	06 Nov 2020	30 Oct 2018	07 Jun 2016
Machine Hours	12078	9117	5998	2300
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

RELIABLE CONTRACTING
 2410 EVERGREEN RD SUITE 200
 GAMBRILLS, MD
 US 21054
 Contact: RUSSELL HATFIELD
 RHATFIELD@RELIABLECONTRACTING.COM
 T: (410)987-1851
 F:



OIL CONDITION

Visc @ 40°C	cSt	41.1	40.6	45.34	47.34
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CONTAMINATION

Water	%	NEG	NEG	NEG	0.558
Silicon	ppm	9	9	9	18
Sodium	ppm	6	1	<1	11
Potassium	ppm	0	0	4	<1



WEAR METALS

Iron	ppm	19	24	19	43
Copper	ppm	2	<1	<1	8
Lead	ppm	<1	<1	0	0
Tin	ppm	21	<1	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	6	<1	1	0
Nickel	ppm	0	0	0	3
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	3166	3323	3624	3597
Magnesium	ppm	47	11	8	10
Zinc	ppm	1358	1339	1478	1378
Phosphorus	ppm	1155	1090	1128	1206
Barium	ppm	0	0	0	<1
Boron	ppm	109	114	106	118

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The tin level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: RELMIL
Unique No: 10762992
Signed: Don Baldrige
Report Date: 30 Nov 2023



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GRAPHS

