



CONSTRUCTION EQUIPMENT

D13107 WM A1 VOLVO L70H 624717 - FRONT AXLE



Sample No: VCP382393
Oil Type: VOLVO WB 102
Job No: D13107 WM A1



SAMPLE INFORMATION

Sample Number	VCP382393	VCP429536	VCP418996	VCP418685
Sample Date	11 Dec 2023	19 Oct 2023	08 Sep 2023	04 Aug 2023
Machine Hours	3591	3224	2966	2770
Oil Hours	359	258	617	421
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ARING EQUIPMENT COMPANY INC - MAIN (MILWAUKEE)
 13001 W SILVERE SPRING DR
 BUTLER, WI
 US 53007
 Contact: GLENN OTTENBACHER
 gottenbacher@aring.com
 T: (262)282-0715
 F: (262)781-5053



OIL CONDITION

Visc @ 40°C	cSt	43.6	43.0	42.7	42.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	13	9	19
Sodium	ppm	1	<1	3	2
Potassium	ppm	0	0	0	<1

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	18	10	26	71
Copper	ppm	<1	1	0	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	1	1	<1
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	9	8	<1	5
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	6
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3862	3907	3325	3825
Magnesium	ppm	24	23	14	16
Zinc	ppm	1517	1577	1472	1581
Phosphorus	ppm	1294	1248	1301	1231
Barium	ppm	0	0	0	0
Boron	ppm	135	139	106	137

Depot: VOLVO0069
Unique No: 10791590
Signed: Wes Davis
Report Date: 18 Dec 2023



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VOLVO GRAPHS

