



CONSTRUCTION EQUIPMENT

D12689 VOLVO L70H 624717 - REAR AXLE



Sample No: VCP418994
Oil Type: VOLVO WB 102
Job No: D12689



SAMPLE INFORMATION

Sample Number	VCP418994	VCP419008	VCP381283	VCP419533
Sample Date	08 Sep 2023	04 Aug 2023	28 Jun 2023	24 May 2023
Machine Hours	2966	2770	2570	2349
Oil Hours	617	471	353	132
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL

ARING EQUIPMENT COMPANY INC - MAIN (MILWAUKEE)
 13001 W SILVERE SPRING DR
 BUTLER, WI
 US 53007
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OIL CONDITION

Visc @ 40°C	cSt	42.9	42.9	42.9	44.7
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CONTAMINATION

Silicon	ppm	9	19	20	19
Sodium	ppm	3	2	3	3
Potassium	ppm	0	<1	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	204	617	580	466
Copper	ppm	16	14	15	13
Lead	ppm	0	<1	0	0
Tin	ppm	<1	1	1	<1
Aluminum	ppm	2	3	1	2
Chromium	ppm	<1	4	4	3
Molybdenum	ppm	<1	11	11	9
Nickel	ppm	2	2	2	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	8	8	7
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	3512	4062	4060	4025
Magnesium	ppm	17	19	18	22
Zinc	ppm	1535	1671	1623	1628
Phosphorus	ppm	1391	1275	1285	1280
Barium	ppm	0	0	0	0
Boron	ppm	101	144	151	153

Depot: VOLVO0069
Unique No: 10647707
Signed: Wes Davis
Report Date: 18 Sep 2023



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VOLVO GRAPHS

