



CONSTRUCTION EQUIPMENT

D12587 VOLVO L70H 624717 - REAR AXLE



Sample No: VCP419008
Oil Type: VOLVO WB 102
Job No: D12587



SAMPLE INFORMATION

Sample Number	VCP419008	VCP381283	VCP419533	VCP407380
Sample Date	04 Aug 2023	28 Jun 2023	24 May 2023	17 Apr 2023
Machine Hours	2770	2570	2349	2217
Oil Hours	471	353	132	1039
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

ARING EQUIPMENT COMPANY INC - MAIN (MILWAUKEE)
 13001 W SILVERE SPRING DR
 BUTLER, WI
 US 53007
 Contact: BRYAN KIRCHNER
 bkirchner@aring.com
 T: (262)781-3770
 F: (262)781-5053



OIL CONDITION

Visc @ 40°C	cSt	42.9	42.9	44.7	42.6
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	19	20	19	20
Sodium	ppm	2	3	3	3
Potassium	ppm	<1	0	<1	2

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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	▲ 617	▲ 580	466	400
Copper	ppm	14	15	13	13
Lead	ppm	<1	0	0	0
Tin	ppm	1	1	<1	<1
Aluminum	ppm	3	1	2	0
Chromium	ppm	4	4	3	3
Molybdenum	ppm	11	11	9	9
Nickel	ppm	2	2	1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	8	8	7	6
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	4062	4060	4025	3986
Magnesium	ppm	19	18	22	18
Zinc	ppm	1671	1623	1628	1628
Phosphorus	ppm	1275	1285	1280	1258
Barium	ppm	0	0	0	0
Boron	ppm	144	151	153	139

Depot: VOLVO0069
Unique No: 10605106
Signed: Don Baldrige
Report Date: 16 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

