



CONSTRUCTION EQUIPMENT

D12467 WM A-1 MORGAN VOLVO L70H 624717 - REAR AXLE



Sample No: VCP381283
Oil Type: VOLVO WB 102
Job No: D12467 WM A-1 MORGAN



SAMPLE INFORMATION

Sample Number	VCP381283	VCP419533	VCP407380	VCP406450
Sample Date	28 Jun 2023	24 May 2023	17 Apr 2023	29 Mar 2023
Machine Hours	2570	2349	2217	1993
Oil Hours	353	132	1039	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	N/A
Sample Status	ABNORMAL	NORMAL	NORMAL	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	44.7	42.6	42.8
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CONTAMINATION

Silicon	ppm	20	19	20	22
Sodium	ppm	3	3	3	3
Potassium	ppm	0	<1	2	0

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	580	466	400	376
Copper	ppm	15	13	13	12
Lead	ppm	0	0	0	0
Tin	ppm	1	<1	<1	<1
Aluminum	ppm	1	2	0	3
Chromium	ppm	4	3	3	2
Molybdenum	ppm	11	9	9	9
Nickel	ppm	2	1	1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	8	7	6	6
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	4060	4025	3986	4054
Magnesium	ppm	18	22	18	24
Zinc	ppm	1623	1628	1628	1651
Phosphorus	ppm	1285	1280	1258	1295
Barium	ppm	0	0	0	0
Boron	ppm	151	153	139	139

Depot: VOLVO0069
Unique No: 10546411
Signed: Don Baldrige
Report Date: 07 Jul 2023



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VOLVO GRAPHS

