



CONSTRUCTION EQUIPMENT

D13106 IAA SUSSEX VOLVO L90H 625531 - REAR AXLE



Sample No: VC06054327
Oil Type: VOLVO WB 102
Job No: D13106 IAA SUSSEX



SAMPLE INFORMATION

Sample Number	VC06054327	VCP418680	VCP382390	VCP336172
Sample Date	02 Jan 2024	19 Sep 2023	02 Mar 2023	10 Feb 2022
Machine Hours	5525	5001	4014	2086
Oil Hours	524	963	924	0
Oil Changed	Not Chngd	Changed	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	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	44.4	42.3	43.0	44.4
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CONTAMINATION

Water	%	NEG	▲ 0.225	NEG	NEG
Silicon	ppm	9	23	11	13
Sodium	ppm	0	<1	2	5
Potassium	ppm	2	2	1	<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	6	24	49	33
Copper	ppm	2	6	17	8
Lead	ppm	<1	<1	0	1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	2	4	0	<1
Chromium	ppm	<1	<1	0	1
Molybdenum	ppm	10	<1	0	2
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	2	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4063	3905	3515	4097
Magnesium	ppm	17	17	17	24
Zinc	ppm	1598	1575	1437	1611
Phosphorus	ppm	1249	1260	1180	1339
Barium	ppm	8	0	<1	0
Boron	ppm	139	144	113	120

Depot: VOLVO0069
Unique No: 10820276
Signed: Wes Davis
Report Date: 09 Jan 2024



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GRAPHS

