



CONSTRUCTION EQUIPMENT

SWO066237 IAAI VOLVO L90H 624584 - FRONT AXLE



Sample No: VCP422349
Oil Type: VOLVO WB 102
Job No: SWO066237 IAAI



SAMPLE INFORMATION

Sample Number	VCP422349	VCP376435	VCP333378	VCP317850
Sample Date	26 Sep 2023	27 Jan 2023	11 May 2022	01 Sep 2021
Machine Hours	6938	5953	4927	3957
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE
PENSACOLA, FL
US 32534

Contact: HUGH DOBBS
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OIL CONDITION

Visc @ 40°C	cSt	42.2	42.6	41.1	39.9
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CONTAMINATION

Silicon	ppm	12	12	10	11
Sodium	ppm	9	8	8	6
Potassium	ppm	0	1	2	1



WEAR METALS

Iron	ppm	10	14	13	20
Copper	ppm	0	<1	<1	<1
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	<1	1	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	3	2	2	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	4131	3946	4145	3880
Magnesium	ppm	31	22	17	12
Zinc	ppm	1705	1574	1706	1527
Phosphorus	ppm	1351	1247	1374	1289
Barium	ppm	0	0	0	0
Boron	ppm	170	142	147	147

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.

Depot: VOLVO8247
Unique No: 10674600
Signed: Wes Davis
Report Date: 04 Oct 2023



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GRAPHS

