



CONSTRUCTION EQUIPMENT

19 VOLVO L90H 25607 - REAR AXLE



Sample No: VCP313383
Oil Type: VOLVO WB 102
Job No: 19



SAMPLE INFORMATION

Sample Number	VCP313383	VCP387346	VCP358485	VCP351440
Sample Date	01 Dec 2023	23 Feb 2023	22 Aug 2022	16 Mar 2022
Machine Hours	13145	11022	8851	6727
Oil Hours	2100	2000	2200	2500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

PLEASANT RIVER LUMBER
 PO BOX 68
 DOVER FOXCROFT, ME
 US 04426
 Contact: BURLEY HIGGINS
 burley@pleasantriverlumber.com
 T:
 F: (207)564-8259



OIL CONDITION

Visc @ 40°C	cSt	43.5	42.4	41.7	42.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	58	13	11	12
Sodium	ppm	7	0	3	6
Potassium	ppm	0	2	0	<1

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	619	59	14	20
Copper	ppm	34	43	70	55
Lead	ppm	2	<1	7	<1
Tin	ppm	3	3	6	5
Aluminum	ppm	11	<1	1	1
Chromium	ppm	5	<1	0	<1
Molybdenum	ppm	<1	<1	2	<1
Nickel	ppm	2	<1	<1	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	<1	1
Manganese	ppm	6	1	<1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	3681	3492	3141	3584
Magnesium	ppm	16	9	8	13
Zinc	ppm	1417	1482	1410	1564
Phosphorus	ppm	1322	1263	1238	1301
Barium	ppm	<1	0	0	0
Boron	ppm	106	116	101	113

Depot: PLEDOV
Unique No: 10791562
Signed: Don Baldrige
Report Date: 19 Dec 2023



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GRAPHS

