



CONSTRUCTION EQUIPMENT

20 VOLVO L90H 25826 - REAR AXLE



Sample No: VCP452144
Oil Type: VOLVO WB 102
Job No: 20



SAMPLE INFORMATION

Sample Number	VCP452144	VCP387337	VCP351309	VCP351342
Sample Date	02 Feb 2024	22 Feb 2023	27 May 2022	01 Apr 2022
Machine Hours	7214	4672	2725	2325
Oil Hours	2500	2300	500	2325
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	SEVERE

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	43.8	43.2	43.0	40.7
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	13	15	11
Sodium	ppm	2	2	3	10
Potassium	ppm	0	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	72	96	31	114
Copper	ppm	7	38	26	450
Lead	ppm	0	<1	<1	3
Tin	ppm	<1	3	3	45
Aluminum	ppm	<1	2	2	2
Chromium	ppm	<1	<1	<1	3
Molybdenum	ppm	0	<1	<1	4
Nickel	ppm	0	<1	0	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	3
Manganese	ppm	1	2	1	10
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3228	3231	4242	3315
Magnesium	ppm	13	10	14	13
Zinc	ppm	1389	1444	1681	1432
Phosphorus	ppm	1214	1307	1316	1285
Barium	ppm	0	1	0	0
Boron	ppm	119	95	146	101

Depot: PLEDOV
Unique No: 10873854
Signed: Wes Davis
Report Date: 13 Feb 2024



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GRAPHS

