



CONSTRUCTION EQUIPMENT

21 VOLVO L90H 25852 - FRONT AXLE



Sample No: VCP430542
Oil Type: VOLVO WB 102
Job No: 21



SAMPLE INFORMATION

Sample Number	VCP430542	VCP405780	VCP387244	VCP356805
Sample Date	12 Dec 2023	02 Jun 2023	09 Dec 2022	11 Aug 2022
Machine Hours	11840	9128	6782	4794
Oil Hours	2000	2400	2000	2000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	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	42.3	42.6	42.5	41.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	19	11	9
Sodium	ppm	0	2	<1	4
Potassium	ppm	0	0	0	0

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	56	132	187	215
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	0	2	<1
Tin	ppm	0	0	4	<1
Aluminum	ppm	2	2	0	1
Chromium	ppm	1	2	2	2
Molybdenum	ppm	0	1	3	2
Nickel	ppm	0	<1	2	1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	3	3	4
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	3347	4294	3612	3395
Magnesium	ppm	9	24	13	12
Zinc	ppm	1402	1657	1442	1485
Phosphorus	ppm	1244	1324	1244	1235
Barium	ppm	4	0	0	<1
Boron	ppm	103	182	109	117

Depot: PLEDOV
Unique No: 10809869
Signed: Wes Davis
Report Date: 03 Jan 2024



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VOLVO GRAPHS

