



CONSTRUCTION EQUIPMENT

21 VOLVO L90H 25852 - FRONT AXLE



Sample No: VCP405780
Oil Type: VOLVO WB 102
Job No: 21



SAMPLE INFORMATION

Sample Number	VCP405780	VCP387244	VCP356805	VCP328043
Sample Date	02 Jun 2023	09 Dec 2022	11 Aug 2022	27 Jan 2022
Machine Hours	9128	6782	4794	2481
Oil Hours	2400	2000	2000	2481
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	42.6	42.5	41.6	40.1
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CONTAMINATION

Silicon	ppm	19	11	9	12
Sodium	ppm	2	<1	4	11
Potassium	ppm	0	0	0	0



WEAR METALS

Iron	ppm	132	187	215	372
Copper	ppm	<1	<1	<1	1
Lead	ppm	0	2	<1	<1
Tin	ppm	0	4	<1	<1
Aluminum	ppm	2	0	1	2
Chromium	ppm	2	2	2	7
Molybdenum	ppm	1	3	2	15
Nickel	ppm	<1	2	1	4
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	3	3	4	14
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	4294	3612	3395	3651
Magnesium	ppm	24	13	12	14
Zinc	ppm	1657	1442	1485	1540
Phosphorus	ppm	1324	1244	1235	1261
Barium	ppm	0	0	<1	0
Boron	ppm	182	109	117	119

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: PLEDOV
Unique No: 10632194
Signed: Wes Davis
Report Date: 05 Sep 2023



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GRAPHS

