



CONSTRUCTION EQUIPMENT

18 VOLVO L90H 25606 - FRONT AXLE



Sample No: VCP313386
Oil Type: VOLVO WB 102
Job No: 18



SAMPLE INFORMATION

Sample Number	VCP313386	VCP387282	VCP358486	VCP351370
Sample Date	04 Dec 2023	09 Mar 2023	10 Aug 2022	14 Mar 2022
Machine Hours	14005	11597	9513	7400
Oil Hours	2400	2000	2100	2300
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	42.5	42.8	42.4	43.7
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	19	13	13
Sodium	ppm	1	0	3	2
Potassium	ppm	0	2	0	2

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	100	25	16	21
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	3	0
Tin	ppm	0	0	2	<1
Aluminum	ppm	1	1	2	2
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	<1	<1	2	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	<1	1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	3852	4096	3740	3759
Magnesium	ppm	15	14	15	10
Zinc	ppm	1516	1591	1491	1617
Phosphorus	ppm	1390	1282	1206	1346
Barium	ppm	0	0	0	0
Boron	ppm	126	141	124	133

Depot: PLEDOV
Unique No: 10791565
Signed: Wes Davis
Report Date: 18 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

