



# CONSTRUCTION EQUIPMENT

## 17 VOLVO L90H 25192 - DIESEL ENGINE



**Sample No:** VCP452142  
**Oil Type:** MOBIL DELVAC 1300 SUPER15W40  
**Job No:** 17



### SAMPLE INFORMATION

Sample Number	VCP452142	VCP313384	VCP406811	VCP405781
Sample Date	22 Jan 2024	06 Dec 2023	26 Sep 2023	01 Jul 2023
Machine Hours	11504	11036	10471	10068
Oil Hours	550	550	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

### PLEASANT RIVER LUMBER

PO BOX 68  
 DOVER FOXCROFT, ME  
 US 04426  
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### OIL CONDITION

Visc @ 100°C	cSt	13.4	13.2	13.2	13.0
Base Number (BN)	mg KOH/g	9.0	9.0	9.6	9.2
Oxidation (PA)	%	61	60	56	57

### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.3	0.2	0.3
Nitration (PA)	%	65	65	57	63
Sulfation (PA)	%	52	53	51	51
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	3	3
Sodium	ppm	<1	1	0	2
Potassium	ppm	0	<1	<1	0



### WEAR METALS

Iron	ppm	4	5	2	7
Copper	ppm	0	1	0	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	3	3	2	4
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	68	60	58	61
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	1087	1041	1144	1076
Magnesium	ppm	978	983	1047	980
Zinc	ppm	1288	1309	1248	1269
Phosphorus	ppm	1090	1087	1140	1031
Barium	ppm	0	0	0	0
Boron	ppm	4	3	<1	2

**Depot:** PLEDOV  
**Unique No:** 10873253  
**Signed:** Don Baldrige  
**Report Date:** 13 Feb 2024



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## GRAPHS

