



CONSTRUCTION EQUIPMENT

21 VOLVO L90H 25852 - DIESEL ENGINE



Sample No: VCP313377
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No: 21



SAMPLE INFORMATION

Sample Number	VCP313377	VCP313378	VCP405784	VCP366253
Sample Date	09 Nov 2023	19 Sep 2023	25 Jul 2023	02 Jun 2023
Machine Hours	11407	10633	9801	9128
Oil Hours	600	500	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
 Contact: BURLEY HIGGINS
 burley@pleasantriverlumber.com
 T:
 F: (207)564-8259



OIL CONDITION

Visc @ 100°C	cSt	13.1	13.2	13.2	13.0
Base Number (BN)	mg KOH/g	9.1	9.4	9.8	9.8
Oxidation (PA)	%	61	61	57	54

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 %	%	0.7	0.9	0.6	0.4
Nitration (PA)	%	69	73	63	55
Sulfation (PA)	%	55	56	53	50
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	3	3
Sodium	ppm	0	0	0	2
Potassium	ppm	<1	0	<1	0



WEAR METALS

Iron	ppm	11	12	7	7
Copper	ppm	<1	<1	<1	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	4	4	3	3
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	58	59	57	61
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1160	1158	1142	1081
Magnesium	ppm	1048	1035	1036	985
Zinc	ppm	1255	1248	1239	1267
Phosphorus	ppm	1130	1115	1137	1036
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	1

Depot: PLEDOV
Unique No: 10790951
Signed: Don Baldrige
Report Date: 19 Dec 2023

VOLVO **GRAPHS**

