



# CONSTRUCTION EQUIPMENT

## VOLVO L60H 622626 - DIESEL ENGINE



**Sample No:** VCP424233  
**Oil Type:** MOBIL DELVAC 1 5W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP424233</b>	VCP365006	VCP335415	VCP364669
Sample Date	<b>30 Oct 2023</b>	21 Jul 2023	07 May 2023	04 Feb 2023
Machine Hours	<b>4600</b>	4000	3500	2826
Oil Hours	<b>600</b>	500	700	600
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**MAPLE RIDGE HARDWOODS**  
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### OIL CONDITION

Visc @ 100°C	cSt	<b>13.5</b>	13.6	13.4	13.4
Base Number (BN)	mg KOH/g	<b>5.8</b>	6.4	5.1	5.5
Oxidation (PA)	%	<b>182</b>	176	186	180

### 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 suitable for further service.



### CONTAMINATION

Soot %	%	<b>0.5</b>	0.5	0.5	0.5
Nitration (PA)	%	<b>83</b>	83	86	84
Sulfation (PA)	%	<b>107</b>	105	110	106
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	4	5	5
Sodium	ppm	<b>0</b>	1	<1	0
Potassium	ppm	<b>0</b>	1	2	0



### WEAR METALS

Iron	ppm	<b>16</b>	19	28	50
Copper	ppm	<b>&lt;1</b>	<1	1	3
Lead	ppm	<b>0</b>	0	1	<1
Tin	ppm	<b>&lt;1</b>	<1	2	<1
Aluminum	ppm	<b>5</b>	5	8	6
Chromium	ppm	<b>&lt;1</b>	<1	1	2
Molybdenum	ppm	<b>49</b>	47	45	47
Nickel	ppm	<b>&lt;1</b>	0	1	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	<1	<1	0



### ADDITIVES

Calcium	ppm	<b>1066</b>	1078	970	976
Magnesium	ppm	<b>960</b>	952	925	914
Zinc	ppm	<b>1426</b>	1341	1347	1248
Phosphorus	ppm	<b>1125</b>	1070	1043	998
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>62</b>	63	70	77

**Depot:** MAPSTE  
**Unique No:** 10727224  
**Signed:** Don Baldrige  
**Report Date:** 07 Nov 2023



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## GRAPHS

