



# CONSTRUCTION EQUIPMENT

## SPM580171 AM TERM VOLVO L60H 62214 - DIESEL ENGINE



**Sample No:** VCP420044  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SPM580171 AM TERM



### SAMPLE INFORMATION

Sample Number	<b>VCP420044</b>	VCP423140	---	---
Sample Date	<b>10 Jul 2023</b>	13 Jun 2023	---	---
Machine Hours	<b>1180</b>	1046	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Not Chngd</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	SEVERE	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	<span style="color: green;">■</span> <b>13.8</b>	<span style="color: orange;">▲</span> 10.8	---	---
Base Number (BN)	mg KOH/g	<span style="color: green;">■</span> <b>9.5</b>	<span style="color: green;">■</span> 8.9	---	---
Oxidation (PA)	%	<b>59</b>	89	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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 %	%	<span style="color: green;">■</span> <b>0.2</b>	<span style="color: green;">■</span> 0.8	---	---
Nitration (PA)	%	<b>54</b>	99	---	---
Sulfation (PA)	%	<b>52</b>	65	---	---
Glycol	%	<b>NEG</b>	NEG	---	---
Fuel	%	<span style="color: green;">■</span> <b>1.6</b>	<span style="color: red;">●</span> 10.4	---	---
Silicon	ppm	<span style="color: green;">■</span> <b>4</b>	<span style="color: green;">■</span> 10	---	---
Sodium	ppm	<span style="color: green;">■</span> <b>2</b>	<span style="color: green;">■</span> 3	---	---
Potassium	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 2	---	---



### WEAR METALS

Iron	ppm	<span style="color: green;">■</span> <b>9</b>	<span style="color: green;">■</span> 43	---	---
Copper	ppm	<span style="color: green;">■</span> <b>1</b>	<span style="color: green;">■</span> 5	---	---
Lead	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> <1	---	---
Tin	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 3	---	---
Aluminum	ppm	<span style="color: green;">■</span> <b>2</b>	<span style="color: orange;">▲</span> 14	---	---
Chromium	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 2	---	---
Molybdenum	ppm	<span style="color: green;">■</span> <b>59</b>	<span style="color: green;">■</span> 34	---	---
Nickel	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	---	---
Titanium	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 0	---	---
Silver	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	---	---
Manganese	ppm	<span style="color: green;">■</span> <b>&lt;1</b>	<span style="color: green;">■</span> 2	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<span style="color: green;">■</span> <b>1200</b>	<span style="color: green;">■</span> 1470	---	---
Magnesium	ppm	<span style="color: green;">■</span> <b>944</b>	<span style="color: green;">■</span> 480	---	---
Zinc	ppm	<span style="color: green;">■</span> <b>1259</b>	<span style="color: green;">■</span> 1043	---	---
Phosphorus	ppm	<span style="color: green;">■</span> <b>1036</b>	<span style="color: green;">■</span> 836	---	---
Barium	ppm	<span style="color: green;">■</span> <b>0</b>	<span style="color: green;">■</span> 0	---	---
Boron	ppm	<span style="color: green;">■</span> <b>7</b>	<span style="color: green;">■</span> 39	---	---

**Depot:** VOLVO8885  
**Unique No:** 10573968  
**Signed:** Wes Davis  
**Report Date:** 27 Jul 2023



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## GRAPHS

