



# CONSTRUCTION EQUIPMENT

## A10674 VOLVO L120H 633047 - DIESEL ENGINE



**Sample No:** VCP414309  
**Oil Type:** MOBIL 15W40  
**Job No:** A10674



### SAMPLE INFORMATION

Sample Number	<b>VCP414309</b>	VCP425962	VCP409806	VCP399145
Sample Date	<b>14 Jul 2023</b>	26 May 2023	03 Apr 2023	22 Feb 2023
Machine Hours	<b>2855</b>	2678	2425	2190
Oil Hours	<b>500</b>	0	250	250
Oil Changed	<b>Changed</b>	N/A	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### GOURMETS DELIGHT

PO BOX 160  
 AVONDALE, PA  
 US 19311  
 Contact: GABE VALENTINO  
 gabe.valentino@gourmetsfinest.com  
 T: (610)268-3578  
 F: (610)268-2298

### OIL CONDITION

Visc @ 100°C	cSt	<b>13.2</b>	13.4	13.4	13.4
Base Number (BN)	mg KOH/g	<b>10.1</b>	7.5	7.8	8.8
Oxidation (PA)	%	<b>70</b>	39	39	42

### CONTAMINATION

Soot %	%	<b>0.2</b>	0.1	0.1	0.1
Nitration (PA)	%	<b>49</b>	52	50	48
Sulfation (PA)	%	<b>57</b>	45	45	45
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	3	3	2
Sodium	ppm	<b>2</b>	0	<1	0
Potassium	ppm	<b>0</b>	1	0	1

### 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.

### WEAR METALS

Iron	ppm	<b>7</b>	4	2	2
Copper	ppm	<b>1</b>	2	<1	1
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>9</b>	<1	<1	2
Chromium	ppm	<b>&lt;1</b>	<1	0	0
Molybdenum	ppm	<b>36</b>	14	17	27
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	0
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>1879</b>	2250	1968	1727
Magnesium	ppm	<b>468</b>	148	223	369
Zinc	ppm	<b>1210</b>	1137	1033	1048
Phosphorus	ppm	<b>1005</b>	940	881	901
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>47</b>	6	5	7

**Depot:** GOUAVO  
**Unique No:** 10575260  
**Signed:** Wes Davis  
**Report Date:** 27 Jul 2023

**VOLVO** **GRAPHS**

