



# CONSTRUCTION EQUIPMENT

A10966 VOLVO L120H 633047 - DIESEL ENGINE



**Sample No:** VCP356333  
**Oil Type:** MOBIL 15W40  
**Job No:** A10966



## SAMPLE INFORMATION

Sample Number	<b>VCP356333</b>	VCP414309	VCP425962	VCP409806
Sample Date	<b>31 Aug 2023</b>	14 Jul 2023	26 May 2023	03 Apr 2023
Machine Hours	<b>3065</b>	2855	2678	2425
Oil Hours	<b>250</b>	500	0	250
Oil Changed	<b>Changed</b>	Changed	N/A	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>13.3</b>	13.2	13.4	13.4
Base Number (BN)	mg KOH/g	<b>8.2</b>	10.1	7.5	7.8
Oxidation (PA)	%	<b>45</b>	70	39	39



## CONTAMINATION

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



## WEAR METALS

Iron	ppm	<b>5</b>	7	4	2
Copper	ppm	<b>1</b>	1	2	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	<1	<1	0
Aluminum	ppm	<b>8</b>	9	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
Molybdenum	ppm	<b>28</b>	36	14	17
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1881</b>	1879	2250	1968
Magnesium	ppm	<b>377</b>	468	148	223
Zinc	ppm	<b>1106</b>	1210	1137	1033
Phosphorus	ppm	<b>925</b>	1005	940	881
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>16</b>	47	6	5

## 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.

**Depot:** GOUAVO  
**Unique No:** 10648364  
**Signed:** Wes Davis  
**Report Date:** 18 Sep 2023

**VOLVO** GRAPHS

