



# CONSTRUCTION EQUIPMENT

## 9357 VOLVO L220H 3064 - DIESEL ENGINE



**Sample No:** VCP422139  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9357



### SAMPLE INFORMATION

Sample Number	<b>VCP422139</b>	VCP408904	VCP387932	VCP396815
Sample Date	<b>26 Jul 2023</b>	20 Jun 2023	19 Apr 2023	01 Feb 2023
Machine Hours	<b>16056</b>	15692	15227	14601
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

**WHEELABRATOR**  
 1801 ANNAPOLIS RD  
 BALTIMORE, MD  
 US 21230  
 Contact: SERVICE MANAGER

### OIL CONDITION

Visc @ 100°C	cSt	<b>13.3</b>	13.3	13.1	13.3
Base Number (BN)	mg KOH/g	<b>7.3</b>	7.2	5.6	7.5
Oxidation (PA)	%	<b>63</b>	64	65	66

T: (215)428-7902  
 F:

### 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>0.1</b>	0.1	0.1	0.1
Nitration (PA)	%	<b>57</b>	56	63	61
Sulfation (PA)	%	<b>60</b>	61	57	62
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>16</b>	13	22	17
Sodium	ppm	<b>0</b>	<1	1	1
Potassium	ppm	<b>1</b>	<1	<1	2

### WEAR METALS

Iron	ppm	<b>3</b>	3	4	4
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>2</b>	1	2	3
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>92</b>	90	102	103
Nickel	ppm	<b>&lt;1</b>	0	0	1
Titanium	ppm	<b>1</b>	<1	1	1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	<1

### ADDITIVES

Calcium	ppm	<b>1382</b>	1440	1593	1464
Magnesium	ppm	<b>387</b>	440	533	497
Zinc	ppm	<b>1239</b>	1309	1268	1007
Phosphorus	ppm	<b>1057</b>	1072	1019	830
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>359</b>	372	367	328

**Depot:** WHEBAL  
**Unique No:** 10586160  
**Signed:** Wes Davis  
**Report Date:** 03 Aug 2023



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## GRAPHS

