



# CONSTRUCTION EQUIPMENT

399904 VOLVO L120H 633291 - DIESEL ENGINE



**Sample No:** VCP430065  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 399904



## SAMPLE INFORMATION

Sample Number	<b>VCP430065</b>	VCP380414	VCP392826	VCP394281
Sample Date	<b>05 Apr 2024</b>	09 Feb 2024	05 Dec 2023	13 Oct 2023
Machine Hours	<b>4146</b>	3607	3105	2543
Oil Hours	<b>2000</b>	500	500	500
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**STRONGCO EQUIP (AB)**  
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 CA T4S 2L4  
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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.1</b>	13.2	13.2	13.1
Oxidation (PA)	%	<b>78</b>	80	81	79

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.3</b>	0.3	0.4	0.3
Nitration (PA)	%	<b>52</b>	52	53	50
Sulfation (PA)	%	<b>62</b>	63	64	63
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	4	6
Sodium	ppm	<b>2</b>	2	2	3
Potassium	ppm	<b>0</b>	<1	<1	0

## 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 condition of the oil is acceptable for the time in service.

## WEAR METALS

Iron	ppm	<b>9</b>	8	11	13
Copper	ppm	<b>2</b>	2	2	2
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>2</b>	3	3	2
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>40</b>	40	41	42
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	0	0	0
Vanadium	ppm	<b>0</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>1707</b>	1707	1716	1700
Magnesium	ppm	<b>510</b>	501	509	508
Zinc	ppm	<b>1087</b>	1055	1080	1082
Phosphorus	ppm	<b>917</b>	930	932	915
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>45</b>	47	42	44

**Depot:** VOLVO9652  
**Unique No:** 5760971  
**Signed:** Wes Davis  
**Report Date:** 10 Apr 2024

**VOLVO** **GRAPHS**

