



# CONSTRUCTION EQUIPMENT

TAFISA 392623 VOLVO L120H 633469 - DIESEL ENGINE



**Sample No:** VCP392038  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 392623



## SAMPLE INFORMATION

Sample Number	<b>VCP392038</b>	VCP430100	VCP380340	VCP382413
Sample Date	<b>29 Jan 2024</b>	22 Dec 2023	29 Nov 2023	07 Nov 2023
Machine Hours	<b>2505</b>	1928	1500	1029
Oil Hours	<b>500</b>	500	500	0
Oil Changed	<b>Changed</b>	Changed	Changed	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



### STRONGCO EQUIPMENT INC (STE- FOY)

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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.2</b>	13.0	13.1	13.0
Oxidation (PA)	%	<b>86</b>	82	82	74



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.2</b>	0.1	0.1	0.4
Nitration (PA)	%	<b>61</b>	54	53	56
Sulfation (PA)	%	<b>65</b>	63	63	61
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	4	4	6
Sodium	ppm	<b>2</b>	2	3	3
Potassium	ppm	<b>&lt;1</b>	0	0	<1



## WEAR METALS

Iron	ppm	<b>10</b>	8	11	23
Copper	ppm	<b>2</b>	1	2	4
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	<1	1
Aluminum	ppm	<b>6</b>	4	5	17
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>40</b>	40	40	41
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	<1	<1	<1
Manganese	ppm	<b>0</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1743</b>	1683	1691	1664
Magnesium	ppm	<b>511</b>	502	505	531
Zinc	ppm	<b>1088</b>	1068	1075	1109
Phosphorus	ppm	<b>945</b>	940	911	950
Barium	ppm	<b>0</b>	0	<1	2
Boron	ppm	<b>36</b>	36	39	32

## Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.

**Depot:** VOLVO0228  
**Unique No:** 5722131  
**Signed:** Wes Davis  
**Report Date:** 02 Feb 2024



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## GRAPHS

