



# CONSTRUCTION EQUIPMENT

BLC 405893 VOLVO L110H 632286 - DIESEL ENGINE



**Sample No:** VCP393113  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 405893



## SAMPLE INFORMATION

Sample Number	<b>VCP393113</b>	VCP393015	VCP381831	VCP392296
Sample Date	<b>27 May 2024</b>	22 Feb 2024	19 Sep 2023	23 Jun 2023
Machine Hours	<b>2988</b>	2567	2023	1554
Oil Hours	<b>500</b>	500	500	500
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



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## OIL CONDITION

Visc @ 100°C	cSt	<b>13.0</b>	13.0	12.9	11.7
Oxidation (PA)	%	<b>82</b>	82	83	84



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Soot %	%	<b>0.1</b>	0.2	0.2	0.1
Nitration (PA)	%	<b>61</b>	65	61	63
Sulfation (PA)	%	<b>63</b>	62	63	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>	5	5	6
Sodium	ppm	<b>2</b>	2	3	3
Potassium	ppm	<b>&lt;1</b>	<1	<1	<1



## WEAR METALS

Iron	ppm	<b>10</b>	15	13	16
Copper	ppm	<b>&lt;1</b>	1	1	2
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>4</b>	6	5	11
Chromium	ppm	<b>&lt;1</b>	<1	<1	1
Molybdenum	ppm	<b>42</b>	45	42	43
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>1783</b>	1782	1717	1707
Magnesium	ppm	<b>499</b>	455	520	528
Zinc	ppm	<b>1090</b>	1079	1102	1092
Phosphorus	ppm	<b>941</b>	931	929	965
Barium	ppm	<b>0</b>	0	<1	<1
Boron	ppm	<b>38</b>	35	29	37

## 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:** 5787991  
**Signed:** Wes Davis  
**Report Date:** 30 May 2024



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## GRAPHS

