



# CONSTRUCTION EQUIPMENT

WASTE CONNECTIONS VOLVO L150H 7103 - DIESEL ENGINE



**Sample No:** VCP431585  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** WASTE CONNECTIONS



## SAMPLE INFORMATION

Sample Number	<b>VCP431585</b>	VCP370743	VCP376908	---
Sample Date	<b>11 Dec 2023</b>	28 Oct 2022	18 Aug 2022	---
Machine Hours	<b>3794</b>	884	383	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>N/A</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

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## OIL CONDITION

Visc @ 100°C	cSt	<b>12.7</b>	12.9	▲ 11.4	---
Base Number (BN)	mg KOH/g	<b>10.1</b>	12.1	7.8	---
Oxidation (PA)	%	<b>78</b>	85	63	---

## 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

Water	%	<b>NEG</b>	NEG	NEG	---
Soot %	%	<b>0.1</b>	0.1	0.1	---
Nitration (PA)	%	<b>48</b>	57	78	---
Sulfation (PA)	%	<b>59</b>	65	56	---
Glycol	%	<b>NEG</b>	NEG	NEG	---
Fuel	%	<b>&lt;1.0</b>	<1.0	0.6	---
Silicon	ppm	<b>6</b>	7	26	---
Sodium	ppm	<b>&lt;1</b>	2	0	---
Potassium	ppm	<b>0</b>	1	4	---



## WEAR METALS

Iron	ppm	<b>&lt;1</b>	4	9	---
Copper	ppm	<b>&lt;1</b>	4	▲ 109	---
Lead	ppm	<b>0</b>	<1	2	---
Tin	ppm	<b>&lt;1</b>	<1	2	---
Aluminum	ppm	<b>&lt;1</b>	<1	3	---
Chromium	ppm	<b>0</b>	<1	0	---
Molybdenum	ppm	<b>39</b>	40	84	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>&lt;1</b>	<1	2	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>1599</b>	1595	2093	---
Magnesium	ppm	<b>503</b>	488	66	---
Zinc	ppm	<b>1091</b>	1060	1133	---
Phosphorus	ppm	<b>869</b>	886	977	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>60</b>	44	52	---

**Depot:** VOLVO0096  
**Unique No:** 10792841  
**Signed:** Wes Davis  
**Report Date:** 19 Dec 2023



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## GRAPHS

