



# CONSTRUCTION EQUIPMENT

## 703568 WASTE CONN VOLVO L150H 7103 - DIESEL ENGINE



**Sample No:** VCP451291  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 703568 WASTE CONN



### SAMPLE INFORMATION

Sample Number	<b>VCP451291</b>	VCP422398	VCP431585	VCP370743
Sample Date	<b>30 Apr 2024</b>	01 Apr 2024	11 Dec 2023	28 Oct 2022
Machine Hours	<b>5041</b>	4802	3794	884
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	N/A	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.6</b>	13.0	12.7	12.9
Base Number (BN)	mg KOH/g	<b>10.0</b>	10.5	10.1	12.1
Oxidation (PA)	%	<b>79</b>	80	78	85

### 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	NEG
Soot %	%	<b>0.1</b>	0.1	0.1	0.1
Nitration (PA)	%	<b>47</b>	48	48	57
Sulfation (PA)	%	<b>60</b>	60	59	65
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>4</b>	6	6	7
Sodium	ppm	<b>3</b>	2	<1	2
Potassium	ppm	<b>&lt;1</b>	2	0	1



### WEAR METALS

Iron	ppm	<b>2</b>	3	<1	4
Copper	ppm	<b>&lt;1</b>	1	<1	4
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>2</b>	<1	<1	<1
Aluminum	ppm	<b>&lt;1</b>	2	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>37</b>	40	39	40
Nickel	ppm	<b>1</b>	<1	0	0
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>1658</b>	1580	1599	1595
Magnesium	ppm	<b>456</b>	502	503	488
Zinc	ppm	<b>1061</b>	1070	1091	1060
Phosphorus	ppm	<b>920</b>	900	869	886
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>51</b>	58	60	44

**Depot:** VOLVO0096  
**Unique No:** 11008794  
**Signed:** Wes Davis  
**Report Date:** 04 May 2024



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## GRAPHS

