



# CONSTRUCTION EQUIPMENT

## D26769 WASTE MGMT VOLVO L70H 623025 - DIESEL ENGINE



**Sample No:** VCP395279  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** D26769 WASTE MGMT



### SAMPLE INFORMATION

Sample Number	<b>VCP395279</b>	VCP391261	VCP329659	VCP329637
Sample Date	<b>15 Mar 2023</b>	14 Dec 2022	06 Oct 2022	07 Apr 2022
Machine Hours	<b>7200</b>	6860	6619	5993
Oil Hours	<b>500</b>	500	164	500
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 100°C	cSt	<b>12.7</b>	13.0	12.9	13.3
Base Number (BN)	mg KOH/g	<b>10.6</b>	12.0	12.3	11.5
Oxidation (PA)	%	<b>81</b>	89	86	87

### 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

Soot %	%	<b>0.2</b>	0.2	0.1	0.1
Nitration (PA)	%	<b>58</b>	66	55	56
Sulfation (PA)	%	<b>61</b>	66	65	65
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>6</b>	6	6	6
Sodium	ppm	<b>2</b>	0	1	3
Potassium	ppm	<b>&lt;1</b>	<1	1	4



### WEAR METALS

Iron	ppm	<b>2</b>	6	5	6
Copper	ppm	<b>&lt;1</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	1	0
Tin	ppm	<b>&lt;1</b>	<1	<1	<1
Aluminum	ppm	<b>2</b>	<1	2	3
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>41</b>	42	44	41
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>1581</b>	1688	1713	1909
Magnesium	ppm	<b>464</b>	472	503	554
Zinc	ppm	<b>1035</b>	1064	1137	1306
Phosphorus	ppm	<b>862</b>	897	955	1055
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>45</b>	35	51	62

**Depot:** VOLVO0070  
**Unique No:** 10403469  
**Signed:** Wes Davis  
**Report Date:** 03 Apr 2023



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## GRAPHS

