



# CONSTRUCTION EQUIPMENT

## SW-29010-2 MAVERICK VOLVO L260H 1305 - DIESEL ENGINE



**Sample No:** VCP435900  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SW-29010-2 MAVERICK



### SAMPLE INFORMATION

Sample Number	<b>VCP435900</b>	VCP443483	VCP419492	VCP403226
Sample Date	<b>30 Jan 2024</b>	02 Nov 2023	11 Aug 2023	11 May 2023
Machine Hours	<b>3241</b>	2660	2070	1490
Oil Hours	<b>510</b>	600	600	600
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>12.8</b>	13.0	13.0	12.8
Base Number (BN)	mg KOH/g	<b>6.3</b>	7.9	8.1	7.1
Oxidation (PA)	%	<b>60</b>	62	64	65

### 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>0.3</b>	0.5	0.5	0.4
Nitration (PA)	%	<b>72</b>	70	68	70
Sulfation (PA)	%	<b>54</b>	56	57	58
Glycol	%	<b>NEG</b>	NEG	NEG	NEG
Fuel	%	<b>&lt;1.0</b>	<1.0	<1.0	<1.0
Silicon	ppm	<b>6</b>	10	10	10
Sodium	ppm	<b>0</b>	4	3	5
Potassium	ppm	<b>1</b>	3	2	2



### WEAR METALS

Iron	ppm	<b>8</b>	13	13	13
Copper	ppm	<b>2</b>	3	11	77
Lead	ppm	<b>2</b>	<1	1	<1
Tin	ppm	<b>2</b>	<1	1	1
Aluminum	ppm	<b>3</b>	4	3	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>70</b>	66	63	70
Nickel	ppm	<b>2</b>	2	1	1
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>&lt;1</b>	0	<1	0
Manganese	ppm	<b>1</b>	0	1	1
Vanadium	ppm	<b>&lt;1</b>	<1	<1	0



### ADDITIVES

Calcium	ppm	<b>1474</b>	1114	1209	1204
Magnesium	ppm	<b>626</b>	938	1000	915
Zinc	ppm	<b>1308</b>	1257	1269	1268
Phosphorus	ppm	<b>979</b>	1019	1027	1015
Barium	ppm	<b>0</b>	7	0	0
Boron	ppm	<b>23</b>	3	2	7

**Depot:** VOLVO8770  
**Unique No:** 10869630  
**Signed:** Wes Davis  
**Report Date:** 07 Feb 2024



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## VOLVO GRAPHS

