



# CONSTRUCTION EQUIPMENT

9153 LKQ CURTIS BAY VOLVO L90H 623915 - DIESEL ENGINE



**Sample No:** VCP408880  
**Oil Type:** CHEVRON 15W40  
**Job No:** 9153 LKQ CURTIS BAY



## SAMPLE INFORMATION

Sample Number	<b>VCP408880</b>	VCP393456	VCP390018	VCP358513
Sample Date	<b>27 Jun 2023</b>	12 Jan 2023	13 Oct 2022	28 Apr 2022
Machine Hours	<b>9926</b>	9020	8591	7653
Oil Hours	<b>0</b>	0	0	0
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>13.2</b>	13.5	13.3	13.3
Base Number (BN)	mg KOH/g	<b>7.2</b>	8.0	7.8	8.8
Oxidation (PA)	%	<b>67</b>	63	76	75



## CONTAMINATION

Soot %	%	<b>0.5</b>	0.3	0.5	0.4
Nitration (PA)	%	<b>72</b>	58	81	77
Sulfation (PA)	%	<b>63</b>	60	66	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>	4	4	4
Sodium	ppm	<b>0</b>	1	2	2
Potassium	ppm	<b>2</b>	<1	3	0



## WEAR METALS

Iron	ppm	<b>5</b>	3	7	6
Copper	ppm	<b>&lt;1</b>	0	<1	<1
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>4</b>	3	7	5
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>97</b>	102	122	102
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	1
Manganese	ppm	<b>&lt;1</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>1402</b>	1532	1412	1511
Magnesium	ppm	<b>445</b>	526	510	717
Zinc	ppm	<b>1117</b>	1138	1054	870
Phosphorus	ppm	<b>958</b>	933	870	754
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>310</b>	327	177	151

## 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.

**Depot:** VOLV00150  
**Unique No:** 10552469  
**Signed:** Wes Davis  
**Report Date:** 13 Jul 2023



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## GRAPHS

