

# CONSTRUCTION EQUIPMENT SW-21563-2 VOLVO L110H 632088 - DIESEL ENGINE



Sample No: VCP423018

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

**Job No:** SW-21563-2

VOLVO				
	NFORMATION			
Sample Number		VCP423018	 	
Sample Date		13 Jul 2023	 	
Machine Hours		2015	 	
Oil Hours		400	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	<b>13.1</b>	 	
Base Number (BN)		■9.8	 	
Oxidation (PA)	%	58	 	
VOLVO				
CONTAMII	NATION			
Soot %	%	■ 0.5	 	
Nitration (PA)	%	58	 	
Sulfation (PA)	%	54	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>4</b>	 	
Sodium	ppm	<b>2</b>	 	
Potassium	ppm	<b>2</b>	 	
WEAR ME	TALS			
Iron	ppm	<b>1</b> 9	 	
Copper	ppm	8	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	1	 	
Aluminum	ppm	<b>7</b>	 	
Chromium	ppm	<b>1</b>	 	
Molybdenum	ppm	<b>■</b> 57	 	
Nickel	ppm	<u> </u>	 	
Titanium	ppm	<1	 	
Silver	ppm	<b>■</b> 0	 	
Manganese	ppm	<b>■</b> <1	 	
Vanadium	ppm	<1	 	
ADDITIVE	7			
Calcium		<b>1296</b>	 	
Magnesium	ppm	■ 1296 ■ 941	 	
Zinc	ppm	<b>1313</b>	 	
Phosphorus	ррт	■ 1313 ■ 1074	 	
Barium	ppm	■0	 	
Darran	PP111			



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### 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 acceptable for the time in service.

Depot:VOLVO8770Unique No:10564325Signed:Don BaldridgeReport Date:21 Jul 2023

ppm

Boron



## **CONSTRUCTION EQUIPMENT**





