

## CONSTRUCTION EQUIPMENT LEEBOY 8510 380948 - DIESEL ENGINE



Sample No: VCP362522

Oil Type: DIESEL ENGINE OIL SAE 30

Job No:

VOLVO				
SAMPLE IN	NFORMATION			
Sample Number	-	VCP362522	 	
Sample Date		28 Mar 2024	 	
Machine Hours		546	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		SEVERE	 	
OIT CONDI.	TION			
	_			
Visc @ 100°C	cSt	<b>12.5</b>	 	
Base Number (BN)		<b>6.7</b>	 	
Oxidation (PA)	%	85	 	
VOLVO				
CONTAMIN	NATION			
Water	%	NEG	 	
Soot %	%	<b>■0.3</b>	 	
Nitration (PA)	%	86	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>■40</b>	 	
Sodium	ppm	<b>3</b>	 	
Potassium	ppm	<b>2</b>	 	
Otassiani	PPIII			
VOLVO				
WEAR ME	TALS			
Iron	ppm	<b>158</b>	 	
Copper	ppm	■20	 	
Lead	ppm	<b>■&lt;1</b>	 	
Tin	ppm	<b>■</b> 3	 	
Aluminum	ppm	<b>154</b>	 	
Chromium	ppm	<b>2</b>	 	
Molybdenum	ppm	<b>72</b>	 	
Nickel	ppm	<b>7</b>	 	
Titanium	ppm	<b>9</b>	 	
Silver	ppm	<b>■</b> 0	 	
Manganese	ppm	<b>2</b>	 	
Vanadium	ppm	<1	 	
ADDITIVE:	<u> </u>			
Calcium	ppm	<b>1844</b>	 	
Magnesium	ppm	<b>175</b>	 	
Zinc	ppm	■1080	 	
Phosphorus	ppm	■915	 	
Barium	ppm	<b>0</b>	 	
Boron	ppm	<b>70</b>	 	



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## Diagnosis

F:

We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. Piston and cylinder wear is indicated. High wear metal levels reflect the reported failure. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:VOLVO5856Unique No:10963049Signed:Jonathan HesterReport Date:09 Apr 2024



## **CONSTRUCTION EQUIPMENT**





