

# CONSTRUCTION EQUIPMENT VOLVO L220H 3589 - DIESEL ENGINE



Sample No: VCP441804

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

Job No:

VOLVO					
SAMPLE	NFORMATION				
Sample Number	-	VCP441804			
Sample Date		31 Jan 2024			
Machine Hours		108			
Oil Hours		108			
Oil Changed		Changed			
Sample Status		ATTENTION			
OIL CONDITION					
		A 44 4			
Visc @ 100°C	cSt	<b>▲</b> 11.4			
Base Number (BN)		<b>■7.3</b>			
Oxidation (PA)	%	54			
VOLVO					
CONTAMI	NATION				
Water	%	NEG			
Soot %	%	■0.1			
Nitration (PA)	%	60			
Sulfation (PA)	%	48			
Glycol	%	NEG			
Fuel	%	■0.3			
Silicon	ppm	<b>19</b>			
Sodium	ppm	■0			
Potassium	ppm	■3			
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WEAR METALS					
WEAK ME	: IALS	ļ.			
Iron	ppm	■8			
Copper	ppm	<b>62</b>			
Lead	ppm	■2			
Tin	ppm	<b>2</b>			
Aluminum	ppm	■2			
Chromium	ppm	<b>■&lt;1</b>			
Molybdenum	ppm	■87			
Nickel	ppm	<b>1</b>			
Titanium	ppm	<1			
Silver	ppm	■0			
Manganese	ppm	■3			
Vanadium	ppm	0			
ADDITIVE	2				
Calcium	ppm	<b>1976</b>			
Magnesium	ppm	51			
Zinc	ppm	<b>1204</b>			
Phosphorus	ppm	<b>905</b>			
Barium	ppm	<b>0</b>			
Boron	ppm	<b>75</b>			



### **COVANTA ENERGY**

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## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:COVWESUnique No:10860872Signed:Don BaldridgeReport Date:06 Feb 2024

Contact/Location: ? SAWYER - COVWES



# **CONSTRUCTION EQUIPMENT**





#### GRAPHS

