CONSTRUCTION EQUIPMENT SPM661462 VOLVO L150H 7240 - DIESEL ENGINE



 Sample No:
 VCP413982

 Oil Type:
 DIESEL ENGINE OIL SAE 15W40

 Job No:
 SPM661462

# SAMPLE INFORMATION

TOTATO

Sample Number	-	VCP413982	VCP415006	 
Sample Date		03 Feb 2024	25 Sep 2023	 
Machine Hours		1622	582	 
Oil Hours		0	0	 
Oil Changed		Changed	Changed	 
Sample Status		ABNORMAL	NORMAL	 
OIL CONDI	τιον			
Visc @ 100°C	cSt	<b>13.3</b>	12.8	 
Base Number (BN)	mg KOH/g	8.8	9.4	 
Oxidation (PA)	%	56	59	 
CONTAMIN				
<u> </u>		<u>.</u>		 
Water	%	NEG	NEG	 
Soot %	%	0.2	0.1	 
Nitration (PA)	%	56	63	 
Sulfation (PA)	%	53	52	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	6	3	 
Sodium	ppm	∎1	1	 
Potassium	ppm	2	0	 

### SIMS METAL MANAGEMENT

2500 S. PAULINA CHICAGO, IL US 60608 Contact: RYAN WISE ryan.wise@simsmm.com T: F:

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.The copper level is abnormal. All other 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.

LVO	
	WEAR META

WEAR I	METALS			
Iron	ppm	6	6	 
Copper	ppm	<b>4</b> 6	1	 
Lead	ppm	0	< 1	 
Tin	ppm	<b>□</b> <1	<b></b> <1	 
Aluminum	ppm	<b>1</b>	< 1	 
Chromium	ppm	0	0	 
Molybdenum	ppm	58	59	 
Nickel	ppm	0	0	 
Titanium	ppm	<b>□</b> <1	0	 
Silver	ppm	0	0	 
Manganese	ppm	0	0	 
Vanadium	ppm	0	0	 

ADDITIVES					
Calcium	ppm	🔲 1019	1022		
Magnesium	ppm	<b>783</b>	990		
Zinc	ppm	🔲 1119	1272		
Phosphorus	ppm	872	1013		
Barium	ppm	<b>11</b>	0		
Boron	ppm	3	0		

Depot:SIMCHIILUnique No:10882792Signed:Jonathan HesterReport Date:19 Feb 2024

Report Id: SIMCHIIL [WUSCAR] 06089939 (Generated: 02/22/2024 23:38:46) Rev: 1

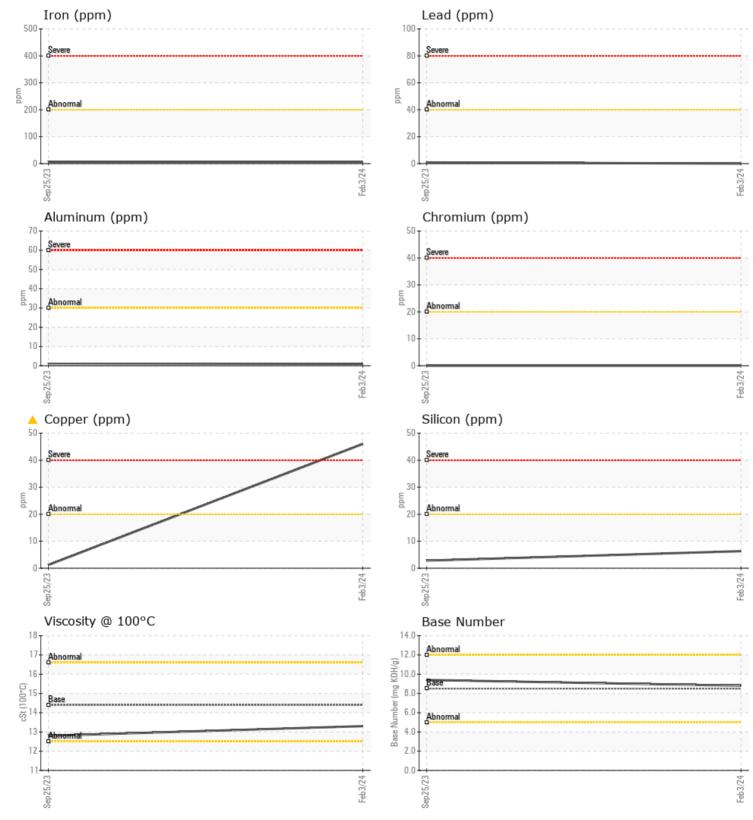
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# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: RYAN WISE - SIMCHIIL