CONSTRUCTION EQUIPMENT SPM621717 VOLVO EC480E 315179 - DIESEL ENGINE

 Sample No:
 VCP382897

 Oil Type:
 DIESEL ENGINE OIL SAE 15W40

 Job No:
 SPM621717

## SAMPLE INFORMATION

VOLVO

Sample Number		VCP382897	VCP409216		
Sample Date		10 Nov 2023	27 Jul 2023		
Machine Hours		1086	615		
Oil Hours		0	0		
Oil Changed		Not Changd	Changed		
Sample Status		ATTENTION	ABNORMAL		
OIL CONDITION					
Visc @ 100°C	cSt	<b>11.3</b>	▲ 10.9		
Base Number (BN)	mg KOH/g	6.7	4.9		
Oxidation (PA)	%	64	73		
CONTAMINATION					
Water	%	NEG	NEG		
Soot %	%	<b>0.1</b>	0.1		
Nitration (PA)	%	75	84		
Sulfation (PA)	%	56	59		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	0.8		
Silicon	ppm	6	26		
Sodium	ppm	0	4		
Potassium	ppm	2	4		

WEAR METALS 7 14 Iron ppm 68 **1**94 Copper ppm 0 🔲 2 Lead ppm 3 Tin ppm <1 Aluminum ppm 2 4 0 🔲 <1 Chromium ppm Molybdenum ppm 53 76 Nickel 0 | <1 ppm Titanium 0 **||** <1 ppm Silver 0 0 ppm Manganese 0 🔲 3 ppm Vanadium 0 0 ppm

**ADDITIVES** Calcium 1150 2143 ppm 752 173 Magnesium ppm Zinc ppm 1059 1196 855 Phosphorus ppm 962 Barium 0 🔲 0 ppm 4 Boron ppm 18



## SIMS METAL MANAGEMENT

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

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The copper level has decreased, but is still abnormal. 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:
 SIMCHIIL

 Unique No:
 10766811

 Signed:
 Jonathan Hester

 Report Date:
 04 Dec 2023

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Report Id: SIMCHIIL [WUSCAR] 06022311 (Generated: 12/05/2023 03:05:54) Rev: 1
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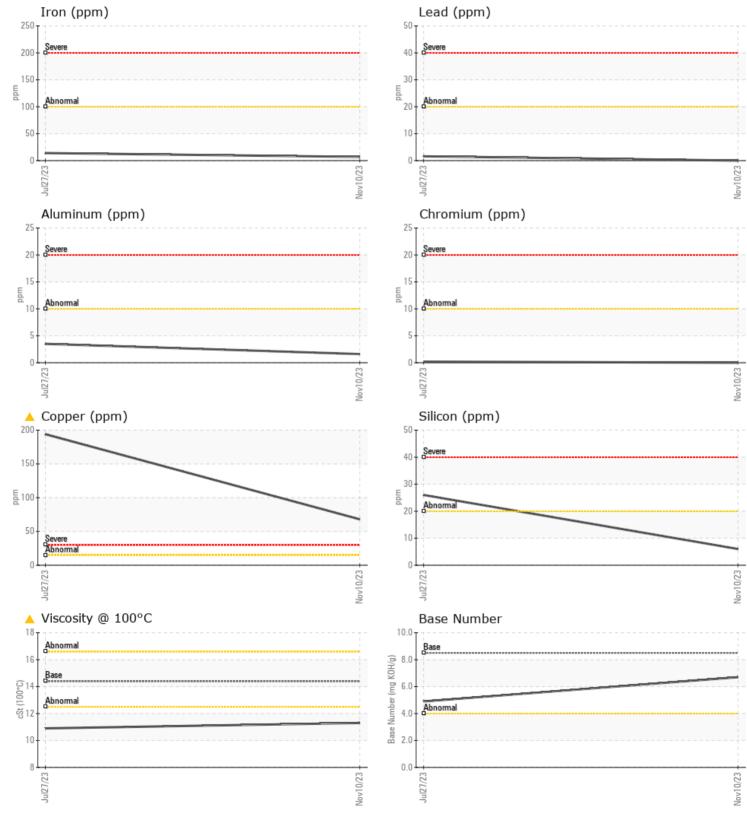
Contact/Location: RYAN WISE - SIMCHIIL

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: RYAN WISE - SIMCHIIL