CONSTRUCTION EQUIPMENT W02007690 VOLV0L150H7193 - DIESEL ENGINE



 Sample No:
 VCP426057

 Oil Type:
 MOBIL 15W40

 Job No:
 W02007690

VOLVO

		VCP426057	-	-		
Sample Number						
Sample Date		02 Nov 2023				
Machine Hours		1494				
Oil Hours		1500				
Oil Changed		Changed				
Sample Status		ABNORMAL				
VOLVO						
OIL CONDI	TION					
Visc @ 100°C	cSt	<b>11.4</b>				
Base Number (BN)	mg KOH/g	<b>4.5</b>				
Oxidation (PA)	%	70				
CONTAMIN						
		<u>.</u>	<u>-</u>			
Soot %	%	0.2				
Nitration (PA)	%	80				
Sulfation (PA)	%	65				
Glycol	%	NEG				
Fuel	%	0.6				
Silicon	ppm	23				
Sodium	ppm	■4				
Potassium	ppm	<b>4</b>				
WEAR ME	TALS					
Iron	ppm	<b>16</b>				
Copper	ppm	▲ 132				
Lead	ppm	■<1				
Tin	ppm	2				
Aluminum	ppm	2				
Chromium	ppm	■ <u>-</u>				
Molybdenum	ppm	83				
Nickel	ppm	<b>■</b> <1				
Titanium	ppm	<1				
Silver	ppm					
Manganese	ppm	3				
Vanadium	ppm	0				
Tanadam	PPIII					

MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS 8450 QUARRY ROAD MANASSAS, VA US 20110 Contact: MIKE MAYHUGH MMAYHUGH@MCCLUNG-LOGAN.COM T: (703)393-7344 F: (703)393-7844

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal. 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:	VO
Unique No:	107
Signed:	Dor
Report Date:	08 1

VOLVO0002 10727901 Don Baldridge 08 Nov 2023

2136

158

1275 🔳

963

0 🔲

18

**ADDITIVES** 

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

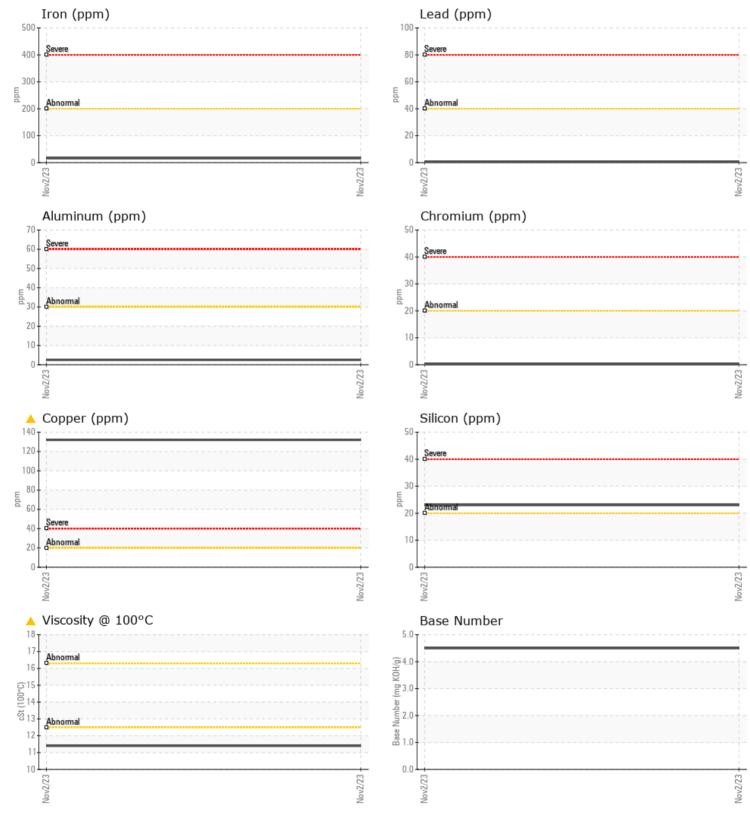
Contact/Location: MIKE MAYHUGH - VOLVO0002

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0002 [WUSCAR] 05999541 (Generated: 11/08/2023 13:19:54) Rev: 1

Contact/Location: MIKE MAYHUGH - VOLVO0002