CONSTRUCTION EQUIPMENT W02007583 VOLV0 L90H 626708 - DIESEL ENGINE



 Sample No:
 VCP416132

 Oil Type:
 MOBIL 15W40

 Job No:
 W02007583

VOLVO

## SAMPLE INFORMATION

Sample Number	-	VCP416132	VCP390513	 
Sample Date		25 Sep 2023	05 Jun 2023	 
Machine Hours		1036	480	 
Oil Hours		500	500	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDI	TION			
Visc @ 100°C	cSt	<b>12.7</b>	12.2	 
Base Number (BN)	mg KOH/g	8.5	9.9	 
Oxidation (PA)	%	66	75	 
CONTAMIN	IATION			
Soot %	%	0.2	0.1	 
Nitration (PA)	%	60	53	 
Sulfation (PA)	%	61	60	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	0.6	 
Silicon	ppm	9	17	 
Sodium	ppm	2	4	 

Potassium

ppm

0

WEAR N	METALS			
Iron	ppm	9	15	 
Copper	ppm	2	10	 
Lead	ppm	■ <1	1	 
Tin	ppm	<b>1</b>	2	 
Aluminum	ppm	<b></b> <1	2	 
Chromium	ppm		1	 
Molybdenum	ppm	123	46	 
Nickel	ppm	0	0	 
Titanium	ppm	0	<1	 
Silver	ppm	0	0	 
Manganese	ppm	<b>1</b>	4	 
Vanadium	ppm	<1	0	 

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Calcium         ppm         1612         1638            Magnesium         ppm         669         584            Zinc         ppm         954         1109            Phosphorus         ppm         776         913	ADITIVES							
Zinc ppm <b>954</b> 1109								
Phosphorus ppm <b>776</b> 913								
Barium ppm <b>0</b>								
Boron ppm <b>273</b> 55								



MCCLUNG-LOGAN EQUIPMENT CO INC

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

## Diagnosis

Resample at the next service interval to monitor.All 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.

 Depot:
 VOLVO0002

 Unique No:
 10673379

 Signed:
 Don Baldridge

 Report Date:
 04 Oct 2023

Report Id: VOLVO0002 [WUSCAR] 05966828 (Generated: 10/04/2023 14:49:34) Rev: 1

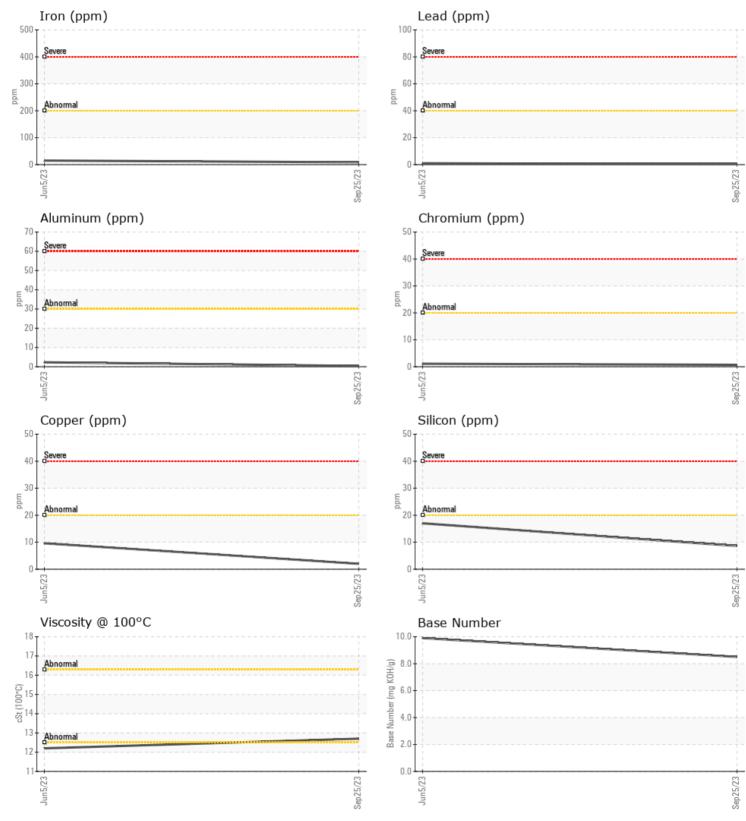
Contact/Location: MIKE MAYHUGH - VOLVO0002

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0002 [WUSCAR] 05966828 (Generated: 10/04/2023 14:49:37) Rev: 1

Contact/Location: MIKE MAYHUGH - VOLVO0002