CONSTRUCTION EQUIPMENT 334347 VOLVO L90H 624347 - DIESEL ENGINE



 Sample No:
 VCP416160

 Oil Type:
 DIESEL ENGINE OIL SAE 40

 Job No:
 334347

## SAMPLE INFORMATION

VOLVO

Sample Number	-	VCP416160	VCP252437		
Sample Date		17 Aug 2023	29 Aug 2019		
Machine Hours		2032	659		
Oil Hours		0	0		
Oil Changed		Changed	Changed		
Sample Status		ABNORMAL	NORMAL		
OIL CONDI					
		·	-		
Visc @ 100°C	cSt	<b>13.0</b>	12.9		
Base Number (BN)	mg KOH/g	■7.1			
Oxidation (PA)	%	48	73		
		<u>.</u>	_ <u>_</u>	<u>.</u>	
Soot %	%	0.1	0.5		
Nitration (PA)	%	65	78		
Sulfation (PA)	%	46	57		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	< 1.0		
Silicon	ppm	5	19		

Potassium

ppm

ppm

2

1

Sodium

## WEAR METALS 8 Iron ppm 51 Copper ■ <1 8 ppm Lead 0 🔲 3 ppm Tin 0 0 ppm Aluminum ppm 🔺 16 8 4 Chromium ppm 1 Molybdenum 80 40 ppm Nickel ppm **||** <1 < 1 Titanium < 1 ppm ■ <1 Silver 0 0 ppm Manganese 6 ppm **||** <1 Vanadium 0 0 ppm

6

12

Vanadiu

Calcium         ppm         1982         1557             Magnesium         ppm         36         716             Zinc         ppm         1093         988             Phosphorus         ppm         956         835             Barium         ppm         0         <11	ADDITIVES								
Zinc         ppm         1093         988             Phosphorus         ppm         956         835	Calcium	ppm	1982	1557					
Phosphorus         ppm <b>956</b> 835	Magnesium	ppm	36	716					
	Zinc	ppm	<b>1093</b>	988					
Barium ppm <b>□0 □</b> <1	Phosphorus	ppm	956	835					
	Barium	ppm	0	< 1					
Boron ppm <b>69</b> 23	Boron	ppm	69	23					



ALTA EQUIPMENT

5985 COURT STREET ROAD SYRACUSE, NY US 13206 Contact: JIM STRIGLE JIM.STRIGLE@ALTG.COM T: (315)437-2611 F: (315)434-9471

## 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 aluminum 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.

 Depot:
 VOLVO0142

 Unique No:
 10630068

 Signed:
 Don Baldridge

 Report Date:
 01 Sep 2023

Signed: D Report Date: 0

Report Id: VOLVO0142 [WUSCAR] 05939456 (Generated: 09/01/2023 14:38:38) Rev: 1

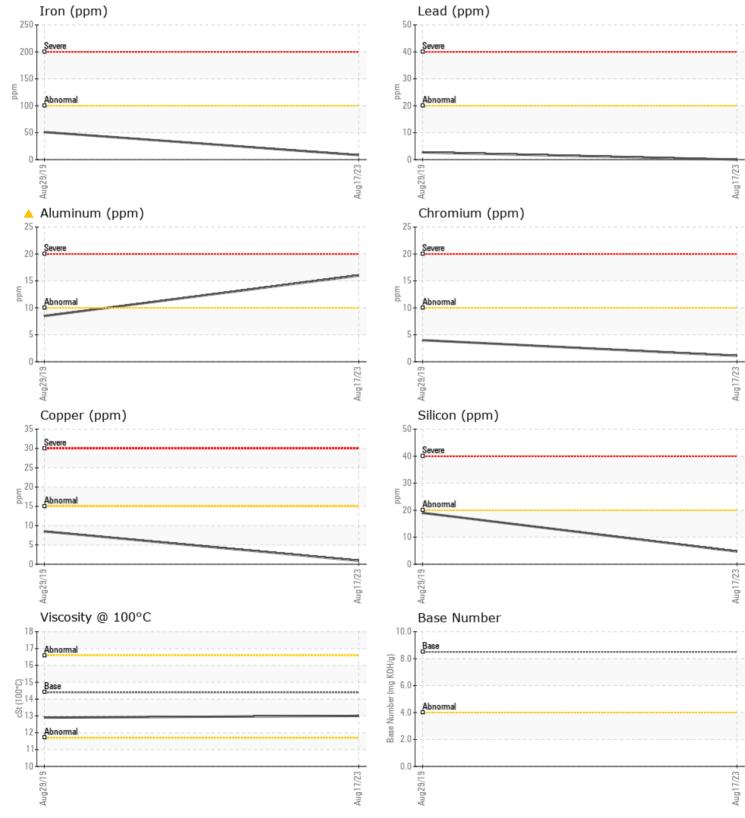
Contact/Location: JIM STRIGLE - VOLVO0142

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: JIM STRIGLE - VOLVO0142