## CONSTRUCTION EQUIPMENT SW1023492 UPAP VOLVO L90H 626690 - DIESEL ENGINE

Sample No:VCE196094Oil Type:DIESEL ENGINE OIL

VOIN

Job No:

 pe:
 DIESEL ENGINE OIL SAE 15W40

 o:
 SW1023492 UPAP

VOLVO						
	NFORMATION					
Sample Number	-	VCE196094				
Sample Date		01 Sep 2023				
Machine Hours		643				
Oil Hours		0				
Oil Changed		Changed				
Sample Status		NORMAL				
OIL CONDI	TION					
Visc @ 100°C	cSt	12.6				
Base Number (BN)	mg KOH/g	9.9				
Oxidation (PA)	%	75				
CONTAMINATION						
Soot %	%	0.4				
Nitration (PA)	%	60				
Sulfation (PA)	%	60				
Glycol	%	NEG				
Fuel	%	<1.0				
Silicon	ppm	28				
Sodium	ppm	4				
Potassium	ppm	∎1				

WEAR ME

WEAR I	METALS			
Iron	ppm	39	 	
Copper	ppm	<b>11</b>	 	
Lead	ppm	<b></b> <1	 	
Tin	ppm	3	 	
Aluminum	ppm	<b>12</b>	 	
Chromium	ppm	3	 	
Molybdenum	ppm	<b>40</b>	 	
Nickel	ppm	0	 	
Titanium	ppm	<b></b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	6	 	
Vanadium	ppm	0	 	

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ADDITIVES							
Calcium	ppm	<b>1605</b>					
Magnesium	ppm	644					
Zinc	ppm	1148					
Phosphorus	ppm	969					
Barium	ppm	7					
Boron	ppm	<b>46</b>					



ARNOLD MACHINERY COMPANY

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## Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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 suitable for further service.

 Depot:
 VOLVO6174

 Unique No:
 10636128

 Signed:
 Wes Davis

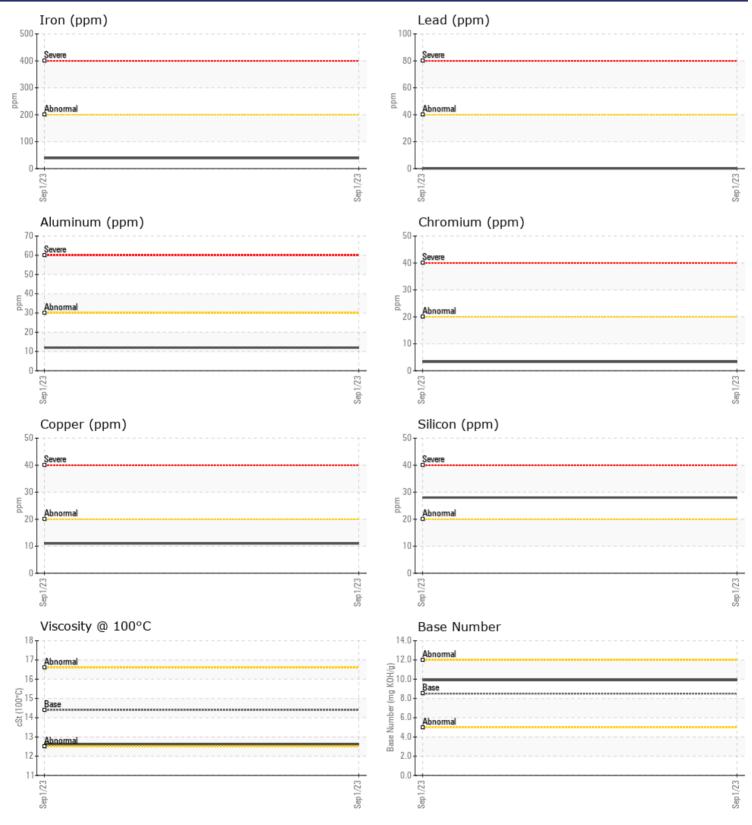
 Report Date:
 11 Sep 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: RANDY PRZEKURAT - VOLVO6174