## CONSTRUCTION EQUIPMENT SW1027580 IAA 4 VOLVO L90G 617603 - DIESEL ENGINE

 Sample No:
 VCP441013

 Oil Type:
 DIESEL ENGINE OIL SAE 15W40

 Job No:
 SW1027580 IAA 4

VOLVO

Sodium

Potassium

ppm

ppm

0 🔲

0 🔲

SAMPLE II	NFORMATION			
Sample Number	-	VCP441013	 	
Sample Date		14 Dec 2023	 	
Machine Hours		15363	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	<b>12.5</b>	 	
Base Number (BN)	mg KOH/g	9.1	 	
Oxidation (PA)	%	64	 	
CONTAMI	NATION			
Water	%	NEG	 	
Soot %	%	0.4	 	
Nitration (PA)	%	62	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	



## ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: RANDY PRZEKURAT randyp@arnoldmachinery.com T: F: (602)414-1904

## 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 suitable for further service.

WEAR METALS								
Iron	ppm	8						
Copper	ppm	0						
Lead	ppm	0						
Tin	ppm	<1						
Aluminum	ppm	4						
Chromium	ppm							
Molybdenum	ppm	54						
Nickel	ppm	□<1						
Titanium	ppm	0						
Silver	ppm	0						
Manganese	ppm	<b></b> <1						
Vanadium	ppm	0						

Calcium	ppm	1204				
Magnesium	ppm	843				
Zinc	ppm	<b>1260</b>				
Phosphorus	ppm	<b>1072</b>				
Barium	ppm	0				
Boron	ppm	<b>12</b>				

 Depot:
 VOLVO6174

 Unique No:
 10802548

 Signed:
 Wes Davis

 Report Date:
 22 Dec 2023

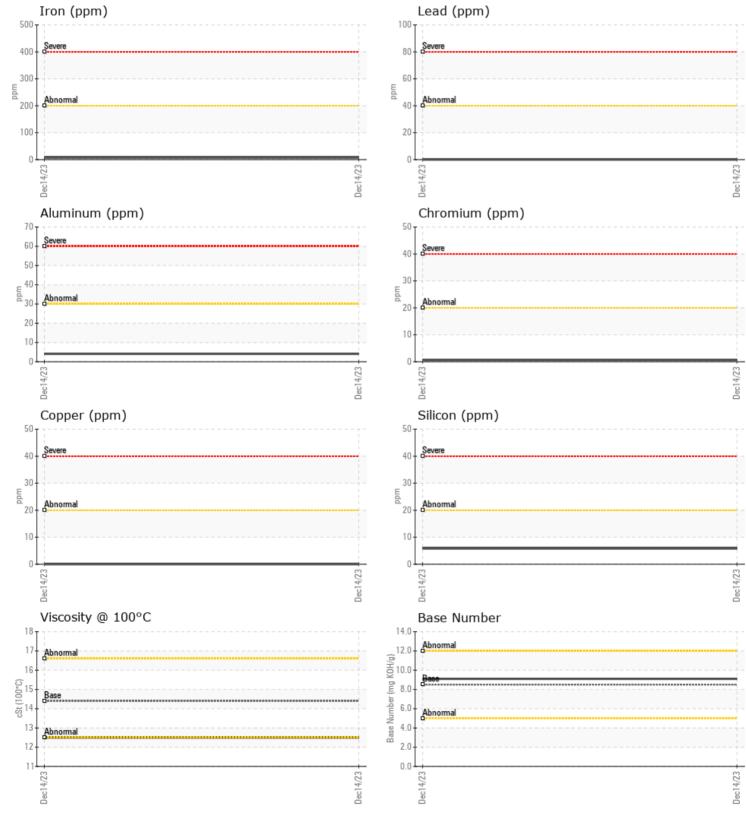
Contact/Location: RANDY PRZEKURAT - VOLVO6174

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO6174 [WUSCAR] 06041940 (Generated: 12/22/2023 11:34:46) Rev: 1

Contact/Location: RANDY PRZEKURAT - VOLVO6174