## CONSTRUCTION EQUIPMENT SW1022953 RENTAL VOLVOL110H 631554 - DIESEL ENGINE

Sample No: VCP414445 Oil Type: DIESEL ENGIN

VOI N

DIESEL ENGINE OIL SAE 15W40 SW1022953 RENTAL

Job No:

	NFORMATION			
Sample Number		VCP414445	 	 
Sample Date		29 Aug 2023	 	
Machine Hours		6923	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	<b>13.2</b>	 	
Base Number (BN)	mg KOH/g	9.6	 	
Oxidation (PA)	%	79	 	
CONTAMIN	NATION			
Soot %	%	0.6	 	
Nitration (PA)	%	73	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	<b>10</b>	 	



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

## 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 suitable for further service.

Potassium

ppm

ppm

**4** 

**||** < 1

Sodium

WEAR N	METALS			
Iron	ppm	26	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	□<1	 	
Aluminum	ppm	<b>6</b> 58	 	
Chromium	ppm	2	 	
Molybdenum	ppm	52	 	
Nickel	ppm	0	 	
Titanium	ppm	<b></b> <1	 	
Silver	ppm	0	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	0	 	

ADDITIVES							
Calcium	ppm	<b>1896</b>					
Magnesium	ppm	553					
Zinc	ppm	1237					
Phosphorus	ppm	999					
Barium	ppm	0					
Boron	ppm	<b>46</b>					

 Depot:
 VOLVO6174

 Unique No:
 10632446

 Signed:
 Don Baldridge

 Report Date:
 06 Sep 2023

Report Id: VOLVO6174 [WUSCAR] 05941834 (Generated: 09/06/2023 15:44:40) Rev: 1

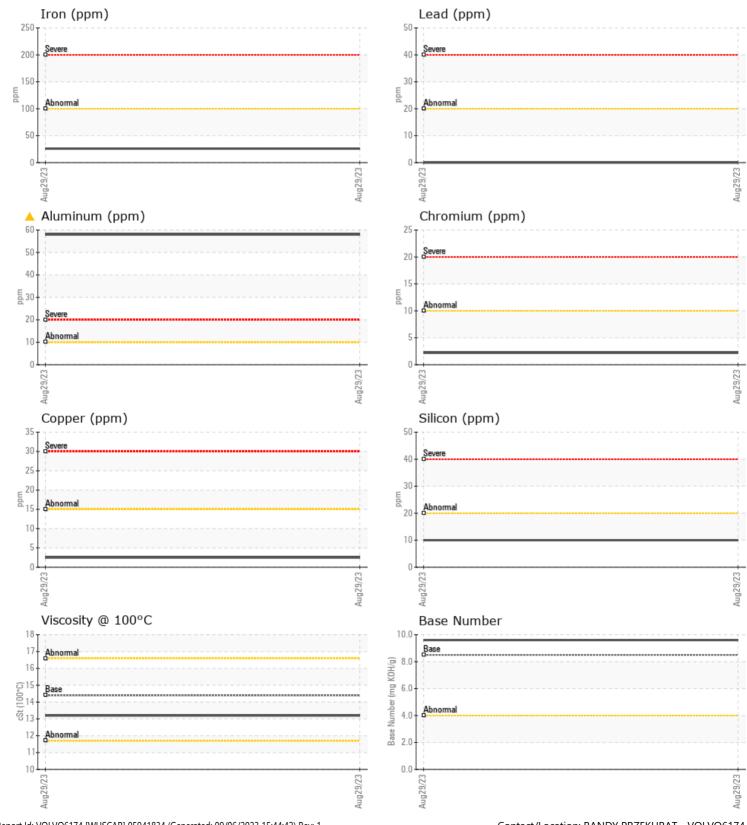
Contact/Location: RANDY PRZEKURAT - VOLVO6174

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO6174 [WUSCAR] 05941834 (Generated: 09/06/2023 15:44:42) Rev: 1

Contact/Location: RANDY PRZEKURAT - VOLVO6174