CONSTRUCTION EQUIPMENT SW-28255-2 CADDER PI VOLVO ECR40D 14357 - DIESEL ENGINE

Sample No:VCP414472Oil Type:VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3Job No:SW-28255-2 CADDER PI

## SAMPLE INFORMATION

VOLVO

Sample Number		VCP414472	VCP319792	 
Sample Date		05 Jan 2024	03 Nov 2021	 
Machine Hours		2742	1196	 
Oil Hours		400	1196	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	SEVERE	 
OIL COND	ITION			
Visc @ 100°C	cSt	13.9	13.7	 
Base Number (BN)	mg KOH/g	6.9		 
Oxidation (PA)	%	63	81	 
VOLVO				
CONTAMI	NATION			
Water	%	NEG	NEG	 
Soot %	%	0.6	2.9	 
Nitration (PA)	%	79	123	 
Sulfation (PA)	%	54	76	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 
Silicon	ppm	8	17	 
Sodium	ppm	2	5	 
Potassium	ppm	2	0	 

## ARNOLD MACHINERY COMPANY

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## 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.

WE/	AR METALS	
Iron	ppm	31
Copper	ppm	∎1
Land		<b>—</b> .4

Lead	ppm	<b> </b> <1	<1	 
Tin	ppm	<b>■</b> <1	2	 
Aluminum	ppm	6	16	 
Chromium	ppm	∎<1	5	 
Molybdenum	ppm	67	45	 
Nickel	ppm	0	□ <1	 
Titanium	ppm	0	<1	 
Silver	ppm	0	0	 
Manganese	ppm	<b>□</b> <1	5	 
Vanadium	maa	0	0	 

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ADDITIVES					
Calcium	ppm	2018	1406		
Magnesium	ppm	84	883		
Zinc	ppm	1224	1292		
Phosphorus	ppm	<b>1004</b>	1035		
Barium	ppm	0	1		
Boron	ppm	77	2		

 Depot:
 VOLV08770

 Unique No:
 10836338

 Signed:
 Wes Davis

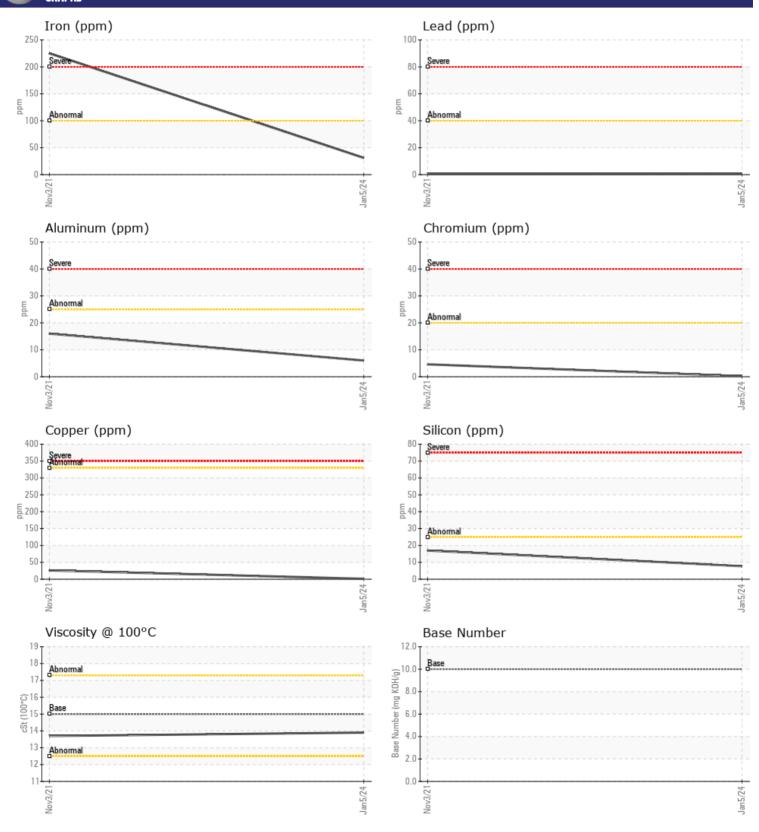
 Report Date:
 19 Jan 2024

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: TONY PAYAN - VOLVO8770