CONSTRUCTION EQUIPMENT A11402 JMC VOLVO ECR235E 311598 - DIESEL ENGINE

 Sample No:
 VCP430943

 Oil Type:
 MOBIL 15W40

 Job No:
 A11402 JMC

VOLVO

## SAMPLE INFORMATION

Sample Number	-	VCP430943	VCP288124	 	
Sample Date		31 Oct 2023	19 Nov 2020	 	
Machine Hours		1145	490	 	
Oil Hours		500	490	 	
Oil Changed		Changed	Changed	 	
Sample Status		ABNORMAL	NORMAL	 	
OIL CON	NITION				
	-	= 12 5	<b>—</b> 12.0		
Visc @ 100°C	cSt	<b>12.5</b>	12.8	 	
Base Number (BN	) mg KOH/g	9.2		 	
Oxidation (PA)	%	82	74	 	
CONTAM	ΙΝΔΤΙΩΝ				
		<u> </u>			
Soot %	%	0.2	0.1	 	
Nitration (PA)	%	77	49	 	
Sulfation (PA)	%	60	60	 	
Glycol	%	NEG	NEG	 	
Fuel	%	<1.0	< 1.0	 	
Silicon	ppm	<b>15</b>	7	 	
Sodium	ppm	2	3	 	
Potassium	ppm	2	1	 	

Potassium

WEAR N	METALS			
Iron	ppm	<b>A</b> 121	21	 
Copper	ppm	6	2	 
Lead	ppm	0	< 1	 
Tin	ppm	<b>1</b>	<1	 
Aluminum	ppm	🔺 17	0	 
Chromium	ppm	2	<1	 
Molybdenum	ppm	50	41	 
Nickel	ppm	2	2	 
Titanium	ppm	<1	<1	 
Silver	ppm	0	0	 
Manganese	ppm	<b>1</b>	1	 
Vanadium	ppm	<1	0	 

Vanadiui

ADDITIVES						
Calcium	ppm	1703	1627			
Magnesium	ppm	514	411			
Zinc	ppm	1161	1011			
Phosphorus	ppm	955	875			
Barium	ppm	7	0			
Boron	ppm	27	54			



## **HOFFMAN EQUIPMENT - LIONVILLE**

120 GORDON DRIVE LIONVILLE, PA US 19341 Contact: JIM FEHR jim.fehr@hoffmanequip.com T: (610)363-9200 F: (610)594-0829

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.Piston, ring and cylinder wear is indicated. 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:
 VOLV

 Unique No:
 1073

 Signed:
 Don 1

 Report Date:
 14 No.

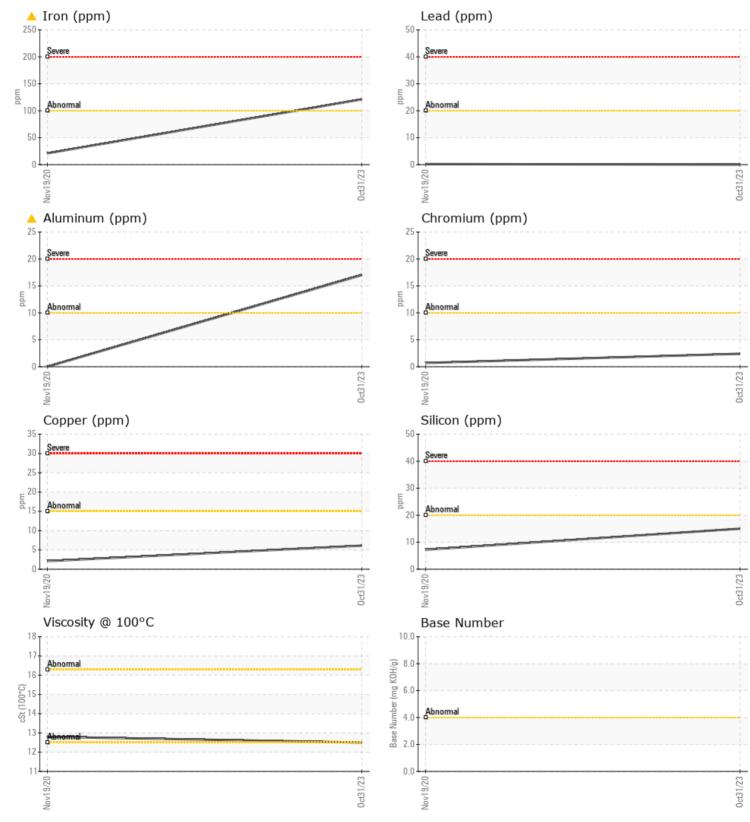
VOLVO8879 10737794 Don Baldridge 14 Nov 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO8879 [WUSCAR] 06004032 (Generated: 11/15/2023 17:58:43) Rev: 1

Contact/Location: JIM FEHR - VOLVO8879