CONSTRUCTION EQUIPMENT

Sample No:VCP405613Oil Type:DIESEL ENGINE OIL SAE 40Job No:11834 HORSHAN AIR

VOLVO

SAMPLE	INFORMATION			
Sample Number	-	VCP405613	 	
Sample Date		09 Jan 2024	 	
Machine Hours		1632	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONE	DITION			
Visc @ 100°C	cSt	12.8	 	
Base Number (BN	) mg KOH/g	7.5	 	
Oxidation (PA)	%	39	 	
CONTAM	INATION			
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	40	 	
Sulfation (PA)	%	39	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	
Sodium	ppm	∎1	 	
Potassium	ppm	0	 	

WEAR I	METALS			
Iron	ppm	5	 	
Copper	ppm		 	
Lead	ppm	<b></b> <1	 	
Tin	ppm	0	 	
Aluminum	ppm	<b></b> <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	57	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	<1	 	

ADDITIVES								
Calcium	ppm	1134						
Magnesium	ppm	899						
Zinc	ppm	1233						
Phosphorus	ppm	<b>1028</b>						
Barium	ppm	0						
Boron	ppm	0						



**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

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

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.

 Depot:
 VOLVO8879

 Unique No:
 10832041

 Signed:
 Wes Davis

 Report Date:
 16 Jan 2024

Report Id: VOLVO8879 [WUSCAR] 06060659 (Generated: 01/16/2024 17:30:05) Rev: 1

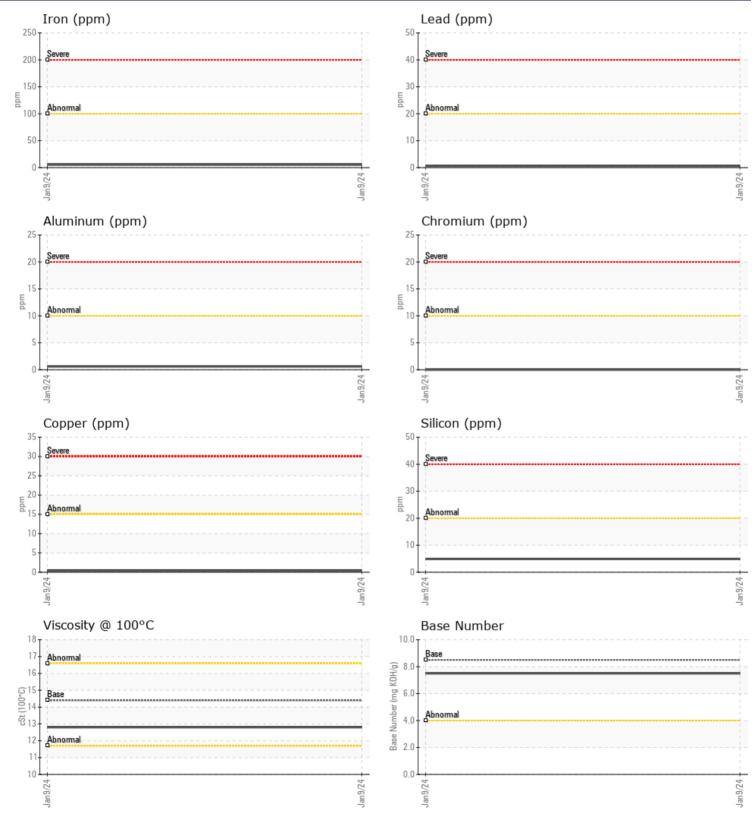
Contact/Location: JIM FEHR - VOLVO8879

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO8879 [WUSCAR] 06060659 (Generated: 01/16/2024 17:30:08) Rev: 1

Contact/Location: JIM FEHR - VOLVO8879