CONSTRUCTION EQUIPMENT A11112 PEDRO PALMER VOLVO EC160EL 314028 - DIESEL ENGIN

 Sample No:
 VCP425930

 Oil Type:
 MOBIL 15W40

 Job No:
 A11112 PEDRO PALMER

VOLVO

## SAMPLE INFORMATION VCP425930 Sample Number VCP365709 Sample Date 15 Sep 2023 03 Nov 2022 Machine Hours 2020 1579 Oil Hours 500 0 Oil Changed Changed Changed NORMAL NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.9 14.0 8.7 Base Number (BN) mg KOH/g 7.7 Oxidation (PA) 58 63 % CONTAMINATION

Contrai				
Soot %	%	0.1	0.2	 
Nitration (PA)	%	65	75	 
Sulfation (PA)	%	49	55	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 
Silicon	ppm	7	6	 
Sodium	ppm	5	< 1	 
Potassium	ppm	<b>4</b>	<1	 

otassium

WEAR N	METALS			 
Iron	ppm	27	15	 
Copper	ppm	<b>4</b>	1	 
Lead	ppm	<b></b> <1	< 1	 
Tin	ppm	<b></b> <1	<1	 
Aluminum	ppm	6	6	 
Chromium	ppm	2	1	 
Molybdenum	ppm	77	68	 
Nickel	ppm	<b></b> <1	0	 
Titanium	ppm	0	0	 
Silver	ppm	0	0	 
Manganese	ppm	<b>1</b>	<1	 
Vanadium	ppm	<1	0	 

vanadiui

ADDITIVES								
Calcium	ppm	2344	2136					
Magnesium	ppm	<b>193</b>	88					
Zinc	ppm	1376	1147					
Phosphorus	ppm	1155	979					
Barium	ppm	0	0					
Boron	ppm	66	69					
		•						



**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.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:
 10672653

 Signed:
 Wes Davis

 Report Date:
 03 Oct 2023

Report Id: VOLVO8879 [WUSCAR] 05966102 (Generated: 10/03/2023 13:22:31) Rev: 1

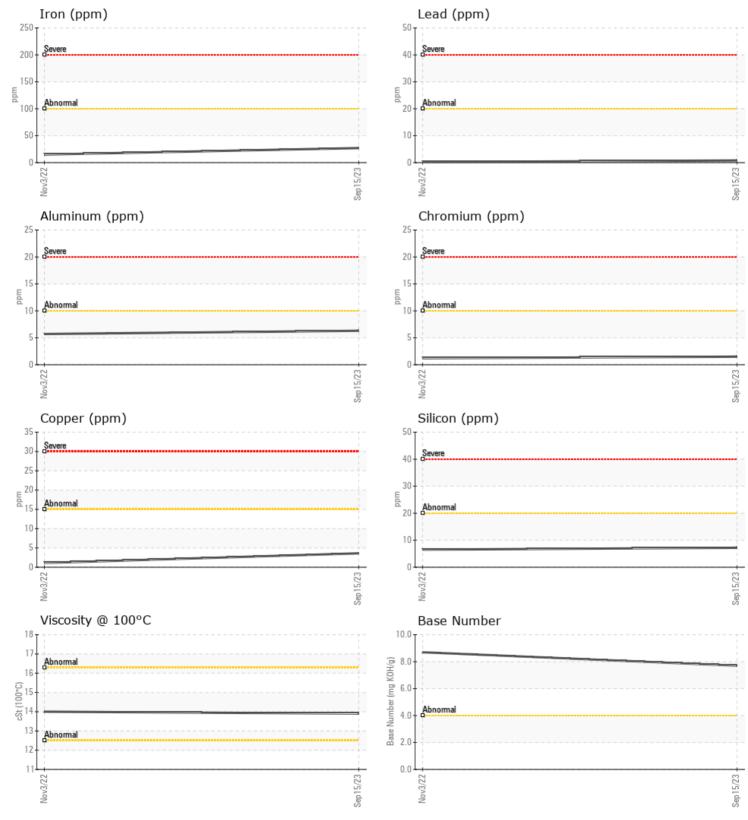
Contact/Location: JIM FEHR - VOLVO8879

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: JIM FEHR - VOLVO8879