CONSTRUCTION EQUIPMENT ZEFC0 VOLVO EC160EL 310083 - DIESEL ENGINE



Sample No:VCP420491Oil Type:DIESEL ENGINE OIL SAE 40Job No:ZEFCO

VOLVO

SAMPLE IN	FORMATION				
Sample Number		VCP420491			
Sample Date		04 Oct 2023			
Machine Hours		4031			
Oil Hours		0			
Oil Changed		N/A			
Sample Status		ABNORMAL			
OIL CONDI	TION				
Visc @ 100°C	cSt	13.7			
Base Number (BN)	mg KOH/g	■ 7.0			
Oxidation (PA)	%	45			
CONTAMINATION					

Soot %	%	0.3	 	
Nitration (PA)	%	65	 	
Sulfation (PA)	%	48	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	4	 	
Potassium	ppm	■ <1	 	

WEAR N	METALS			
Iron	ppm	74	 	
Copper	ppm	■4	 	
Lead	ppm	□ <1	 	
Tin	ppm		 	
Aluminum	ppm	<u> </u>	 	
Chromium	ppm	4	 	
Molybdenum	ppm	22	 	
Nickel	ppm		 	
Titanium	ppm	□ <1	 	
Silver	ppm	0	 	
Manganese	ppm	□ <1	 	
Vanadium	ppm	<1	 	

Vanadia

ADDITIVES					
Calcium	ppm	2001			
Magnesium	ppm	142			
Zinc	ppm	1069			
Phosphorus	ppm	901			
Barium	ppm	0			
Boron	ppm	21			



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Diagnosis

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 acceptable for the time in service.

 Depot:
 VOLVO4596

 Unique No:
 10696501

 Signed:
 Don Baldridge

 Report Date:
 17 Oct 2023

Report Id: VOLVO4596 [WUSCAR] 05979206 (Generated: 10/18/2023 08:16:59) Rev: 1

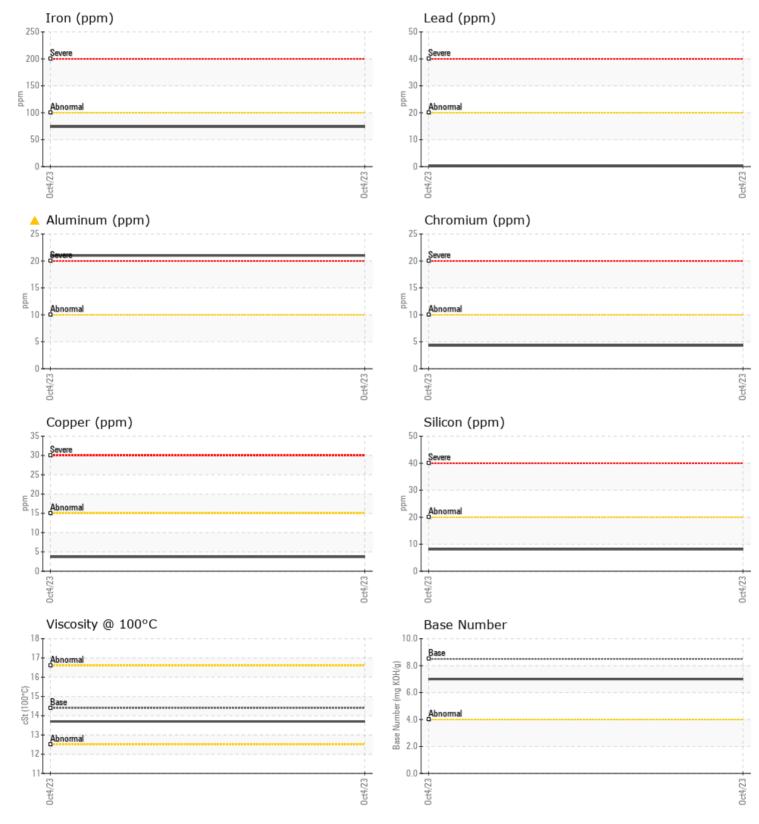
Contact/Location: KEMP COBLE - VOLVO4596

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: KEMP COBLE - VOLVO4596