CONSTRUCTION EQUIPMENT SW1026683 MGC VOLVO ECR40D 14219 - DIESEL ENGINE

 Sample No:
 VCP423050

 Oil Type:
 DIESEL ENGINE OIL SAE 15W40

 Job No:
 SW1026683 MGC

VOINTO

Sodium

Potassium

ppm

ppm

0

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SAMPLE I	INFORMATION			
Sample Number		VCP423050	 	
Sample Date		22 Nov 2023	 	
Machine Hours		950	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL COND	ITION			
Visc @ 100°C	cSt	13.5	 	
Base Number (BN)	mg KOH/g	10.0	 	
Oxidation (PA)	%	63	 	
CONTAMI	NATION		 	
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	48	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	5	 	



ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: RANDY PRZEKURAT randyp@arnoldmachinery.com T: F: (602)414-1904

Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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.

WEAD	METALS			
Iron	ppm	7	 	
Copper	ppm	□ 7	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	51	 	
Nickel	ppm	 <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITIVES							
Calcium	ppm	1241					
Magnesium	ppm	743					
Zinc	ppm	1125					
Phosphorus	ppm	915					
Barium	ppm	2					
Boron	ppm	25					

 Depot:
 VOLVO6174

 Unique No:
 10767959

 Signed:
 Wes Davis

 Report Date:
 05 Dec 2023

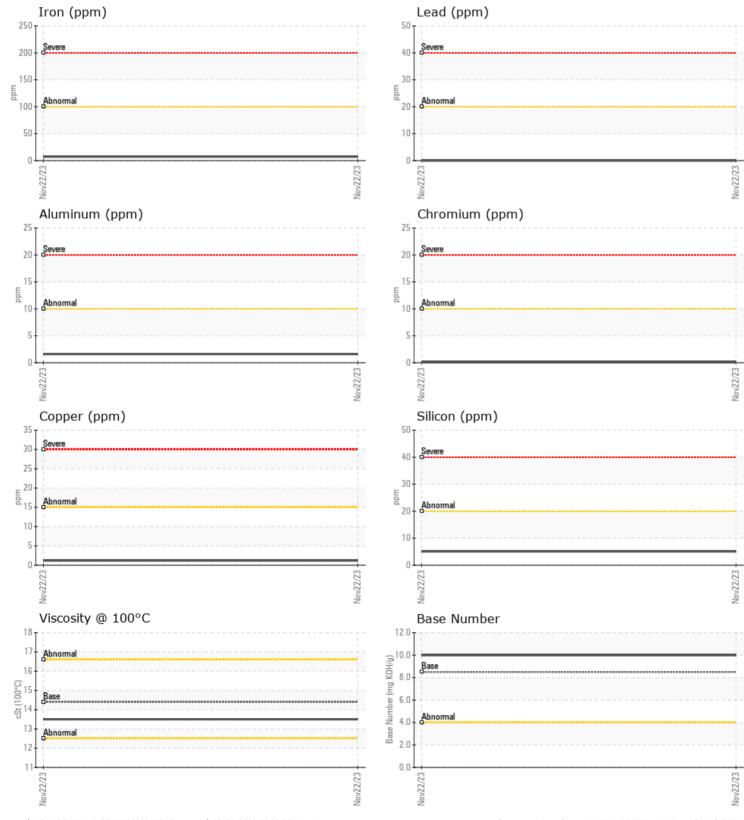
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO6174 [WUSCAR] 06023459 (Generated: 12/05/2023 09:28:36) Rev: 1

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