CONSTRUCTION EQUIPMENT INGALLS GROVE RT880E 234653 - DIESEL ENGINE



Sample No:VCP438533Oil Type:SHELL ROTELLA T 15W40Job No:INGALLS

VOLVO

	IF UKMA HUN				
Sample Number		VCP438533	VCP438534	 	
Sample Date		07 May 2024	26 Apr 2024	 	
Machine Hours		7111	0	 	
Oil Hours		0	0	 	
Oil Changed		N/A	N/A	 	
Sample Status		ABNORMAL	NORMAL	 	
OIL CONDI	TION				
Visc @ 100°C	cSt	A 8.7	13.1	 	
Base Number (BN)	mg KOH/g	7.2	8.1	 	
Oxidation (PA)	%	48	52	 	
CONTAMIN	IATION				
Water	%	NEG	NEG	 	
Soot %	%	■0.1	0.1	 	
Nitration (PA)	%	46	37	 	
Sulfation (PA)	%	49	52	 	
Glycol	%	NEG	NEG	 	
Fuel	%	0.3	1.2	 	
Silicon	ppm	3	5	 	
Sodium	ppm	■ <1	<1	 	
Potassium	ppm	1	2	 	
WEAR MET	TAI S			 	



COWIN EQUIPMENT COMPANY

35 SCHILLINGER ROAD N. MOBILE, AL US 36607 Contact: JEFF BEASLEY JBEASLEY@COWIN.COM T: F: (251)473-4732

Diagnosis

MAKING OILAll component wear rates are normal. Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

VOLVO				
WEAR I	METALS			
Iron	ppm	5	3	
Copper	ppm		 <1	
Lead	ppm	0	0	
Tin	ppm	0	0	
Aluminum	ppm	1	2	
Chromium	ppm	0	0	
Molybdenum	ppm	66	77	
Nickel	ppm	0	0	
Titanium	ppm	0	<1	
Silver	ppm	0	0	
Manganese	ppm	 <1	 < 1	
Vanadium	ppm	0	0	

ADDITIVES					
Calcium	ppm	1131	1438		
Magnesium	ppm	310	403		
Zinc	ppm	977	1281		
Phosphorus	ppm	848	1031		
Barium	ppm	0	0		
Boron	ppm	375	463		

 Depot:
 VOLVO8527

 Unique No:
 11021141

 Signed:
 Don Baldridge

 Report Date:
 15 May 2024

Contact/Location: JEFF BEASLEY - VOLVO8527

Report Id: VOLVO8527 [WUSCAR] 06175088 (Generated: 05/15/2024 18:27:32) Rev: 1

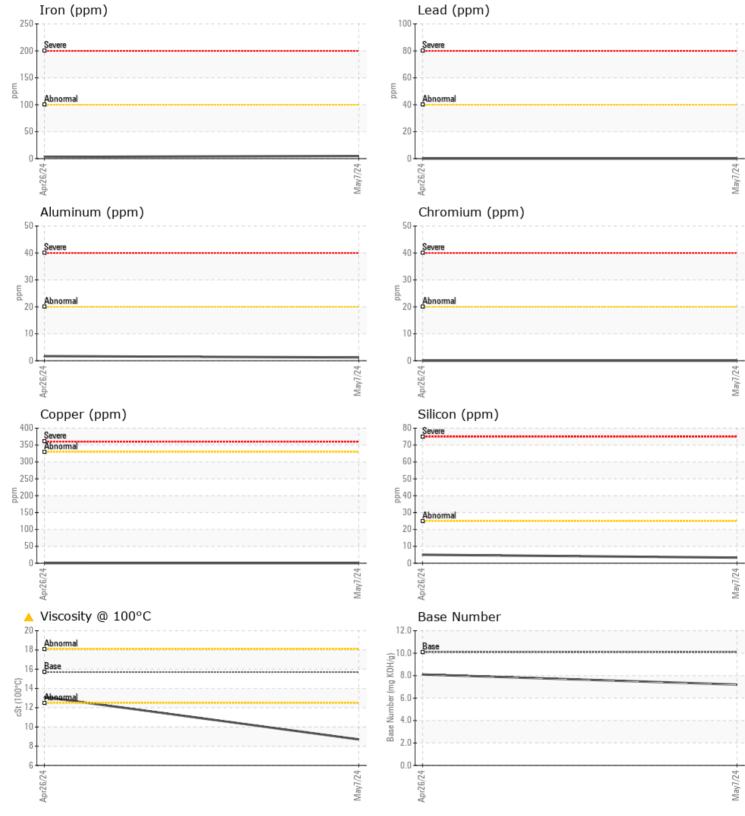
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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