VOLVO

CONSTRUCTION EQUIPMENT 2002 BOBCAT AT6340014 - DIESEL ENGINE



Sample No: VCP408572 Oil Type: SHELL ROTELLA T 15W40 Job No: 2002

ppm

ppm

ppm

13

0 🔲

7

SAMPLE I	NFORMATION			
Sample Number		VCP408572	 	
Sample Date		18 Oct 2023	 	
Machine Hours		462	 	
Oil Hours		212	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.6	 	
Base Number (BN)	mg KOH/g	7.7	 	
Oxidation (PA)	%	61	 	
VOLVO				
CONTAMI	NATION			
Soot %	%	∎0.1	 	
Nitration (PA)	%	56	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	



TOTAL DEVELOPMENT SOLUTIONS LLC

7805 PROGRESS CT GAINESVILLE, VA US 20155 Contact: JOE SEALE jseale@totaldevelopmentsolutions.com T: (703)222-0497 F: (703)753-4586

Diagnosis

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.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 suitable for further service.

Potassium

Silicon

Sodium

WEAR N	METALS			
Iron	ppm	75	 	
Copper	ppm	2	 	
Lead	ppm	■ <1	 	
Tin	ppm	7	 	
Aluminum	ppm	🔺 69	 	
Chromium	ppm	∎1	 	
Molybdenum	ppm	36	 	
Nickel	ppm		 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	

Variaulu

ADDITIVES							
Calcium	ppm	1753					
Magnesium	ppm	235					
Zinc	ppm	1047					
Phosphorus	ppm	814					
Barium	ppm	10					
Boron	ppm	95					

 Depot:
 TOTGAI

 Unique No:
 10711183

 Signed:
 Jonathan Hester

 Report Date:
 26 Oct 2023

Report Id: TOTGAI [WUSCAR] 05988521 (Generated: 10/26/2023 17:53:35) Rev: 1

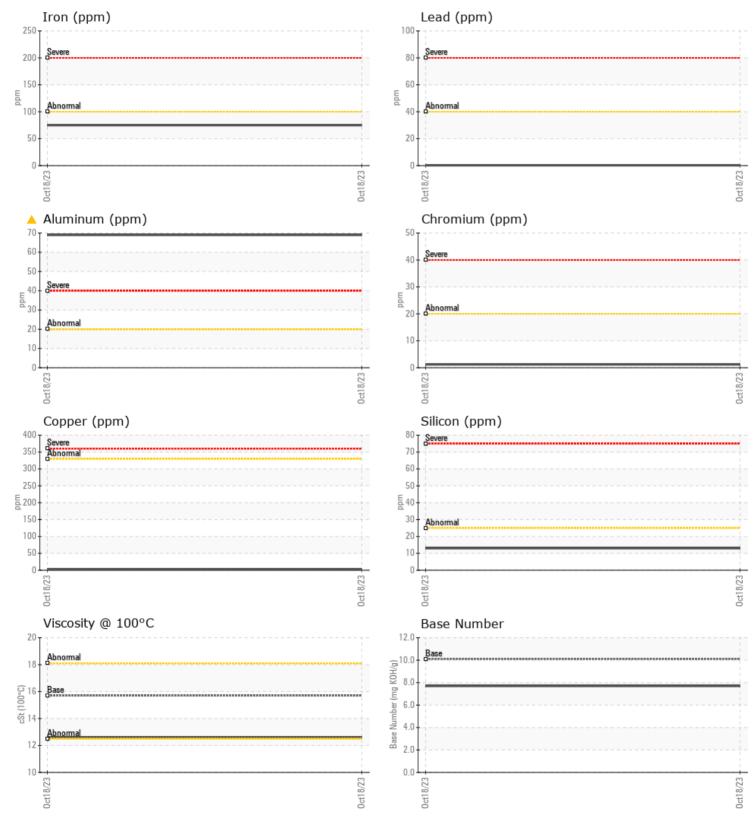
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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