VOLVO

## **CONSTRUCTION EQUIPMENT** JOHN DEERE 814867 - DIESEL ENGINE 368



#### Sample No: VCP408584 ΟυΓΙΙ ΒΟΤΕΙΙΔ Τ 15W40 **~'**1 **T**

Oil Type:	SHELL ROTELLA T 15W4
Job No:	368

	NFORMATION				
		VCP408584	-	-	-
Sample Number					
Sample Date		19 Oct 2023			
Machine Hours		4805			
Oil Hours		500			
Oil Changed		Changed			
Sample Status		NORMAL			
VOLVO					
OIL CONDI	TION				
Visc @ 100°C	cSt	12.6			
Base Number (BN)	mg KOH/g	7.4			
Oxidation (PA)	%	59			
VOLVO					
CONTAMI	VATION				
Soot %	%	0.5			
Nitration (PA)	%	64			
Sulfation (PA)	%	54			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	<b>1</b> 9			
Sodium	ppm	0			
Potassium	ppm	6			
VOLVO	TALC				
WEAR ME	TALS				
Iron	ppm	<b>46</b>			
Copper	ppm	2			
Lead	ppm	<b>□</b> <1			
Tin	ppm	0			
Aluminum	ppm	2			
Chromium	ppm	<b></b> <1			
Molybdenum	ppm	33			
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### 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

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 acceptable for the time in service.

VOLVO				
WEAR I	METALS			
Iron	ppm	<b>46</b>	 	
Copper	ppm	2	 	
Lead	ppm	□<1	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm		 	
Molybdenum	ppm	33	 	
Nickel	ppm		 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITI	IVES			
Calcium	ppm	🔳 1859	 	
Magnesium	ppm	<b>198</b>	 	
Zinc	ppm	1112	 	
Phosphorus	ppm	806	 	
Barium	ppm	0	 	
Boron	ppm	55	 	

Depot: TOTGAI Unique No: 10735819 Signed: Sean Felton Report Date: 10 Nov 2023

Report Id: TOTGAI [WUSCAR] 06002057 (Generated: 11/12/2023 17:06:54) Rev: 1

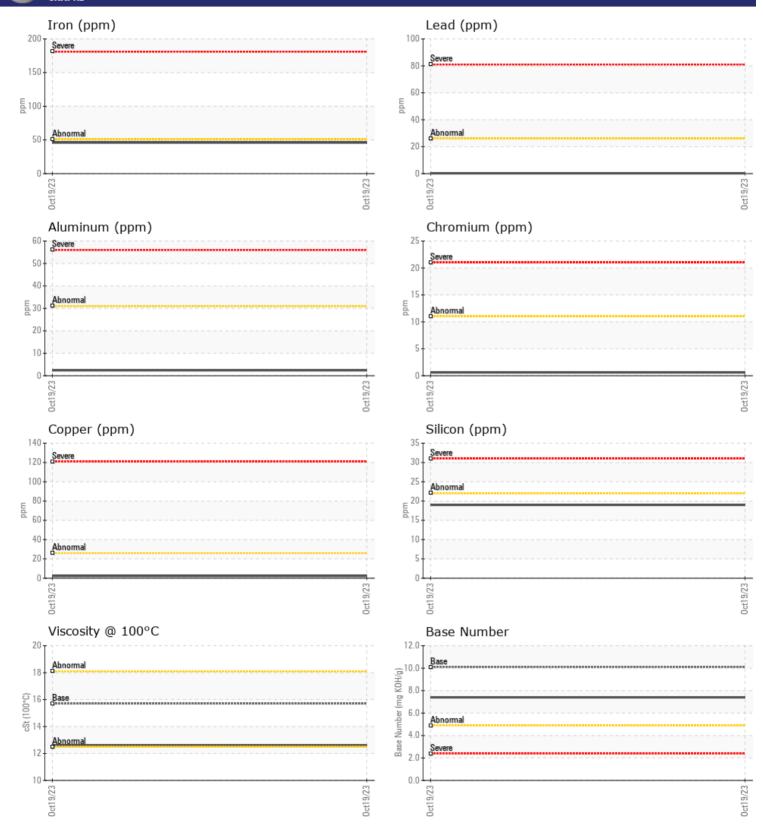
Contact/Location: JOE SEALE - TOTGAI

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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