

## CONSTRUCTION EQUIPMENT PETERBILT 337 MB01567 - DIESEL ENGINE



Sample No: VCP411501

Job No:

VOLVO				
	NFORMATION			 
Sample Number		VCP411501	VCP402746	 
Sample Date		25 Aug 2023	19 Jun 2023	 
Machine Hours		22750	0	 
Oil Hours		0	0	 
Oil Changed		Changed	N/A	 
Sample Status		ATTENTION	NORMAL	 
VOLVO				
OIL CONDI	TION			
Visc @ 100°C	cSt	<b>12.2</b>	11.9	 
Base Number (BN)	mg KOH/g	7.8	7.2	 
Oxidation (PA)	%	50	56	 
Contamii	-			
Soot %	%	0.2	0.2	 
Nitration (PA)	%	58	58	 
Sulfation (PA)	%	48	55	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	1.3	 
Silicon	ppm	9	10	 
Sodium	ppm	3	2	 
Potassium	ppm	148	77	 
VOLVO				 
🤍 WEAR ME	TALS			
Iron	ppm	22	27	 
Copper	ppm	<b>4</b>	9	 
Lead	ppm	∎1	0	 
Tin	ppm	■ <1	0	 
Aluminum	ppm	63	34	 
Chromium	ppm	2	□ <1	 
Molybdenum	ppm	67	78	 
Nickel	ppm	<b>□</b> <1	0	 
Titanium	ppm	<b>■</b> <1	0	 
Silver	ppm	0	0	 
Manganese	ppm	∎1	<b></b> <1	 
Vanadium	ppm	<1	0	 
	5			 
Calcium	ppm	1192	1482	 
Magnesium	ppm	735	509	 
Zinc	ppm	1173	1228	 
Phosphorus	ppm	934	978	 
Barium	ppm	0	0	 
Darran	19 P			

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McClung-Logan Virginia LLC

2025 COOK DRIVE SALEM, VA US 24153 Contact: CHRIS BLANKENSHIP cblankenship@mcclung-logan.com T:

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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. Confirm oil type.

Depot:	VOLVO9010		
Unique No:	10622190		
Signed:	Sean Felton		
Report Date:	29 Aug 2023		

ppm

Boron

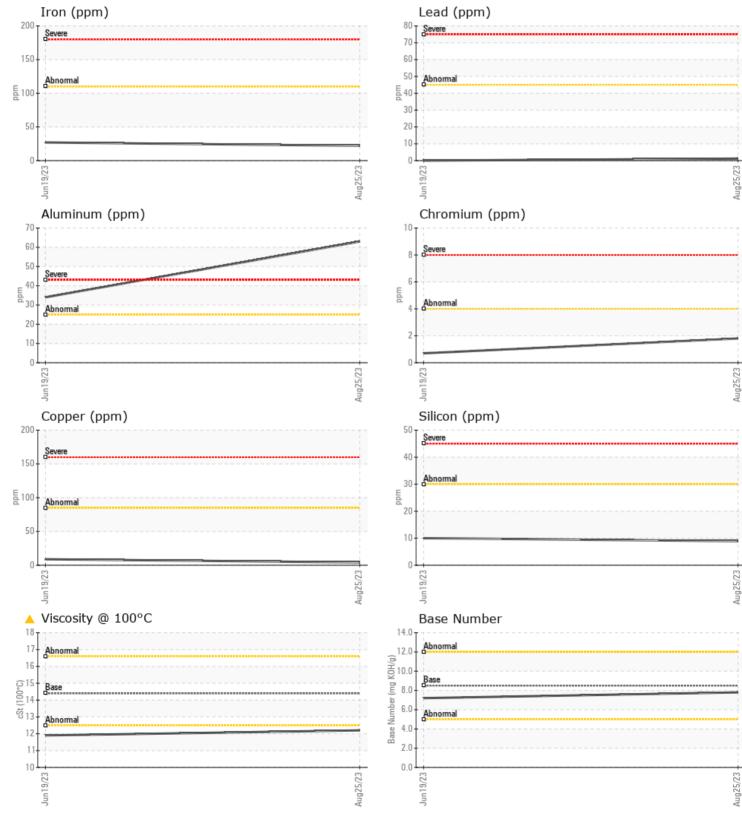
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## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO9010 [WUSCAR] 05936919 (Generated: 08/29/2023 19:28:43) Rev: 1

Contact/Location: CHRIS BLANKENSHIP - VOLVO9010