## CONSTRUCTION EQUIPMENT 19190 MARTIN MARIETT VOLVO A45G 353588 - DIESEL ENGINE

VCP417408 Sample No:

ZOTAZ

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	19190 MARTIN MARIETT

## SAMPLE INFORMATION

Sample Number	-	VCP417408	 	
Sample Date		17 Jul 2023	 	
Machine Hours		490	 	
Oil Hours		490	 	
Oil Changed		Changed	 	
Sample Status		ATTENTION	 	
OIL CONDI				
	TION			
Visc @ 100°C	cSt	🔺 11.0	 	
Base Number (BN)	mg KOH/g	6.0	 	
Oxidation (PA)	%	57	 	
CONTAMIN				
	IATION			
Soot %	%	0.4	 	
Nitration (PA)	%	84	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	0.8	 	
Silicon	ppm	29	 	
Sodium	ppm	4	 	
Potassium	ppm	<b>1</b>	 	

WEAR I	METALS			
Iron	ppm	31	 	
Copper	ppm	392	 	
Lead	ppm	0	 	
Tin	ppm	5	 	
Aluminum	ppm	3	 	
Chromium	ppm	2	 	
Molybdenum	ppm	95	 	
Nickel	ppm	3	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

ADDITI	VES			
Calcium	ppm	2406	 	
Magnesium	ppm	35	 	
Zinc	ppm	1304	 	
Phosphorus	ppm	<b>1093</b>	 	
Barium	ppm	0	 	
Boron	ppm	53	 	



## 117 - ASCENDUM MACHINERY INC - GREENVILLE 2002 N GREENE ST GREENVILLE, NC

US 27834 Contact: BRANDON JENKINS BRANDON, JENKINS@ASCENDUMMACHINERY.COM T: F: (704)494-8197

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. Fuel content negligible. 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: VOLVO8769 Unique No: Signed: Report Date:

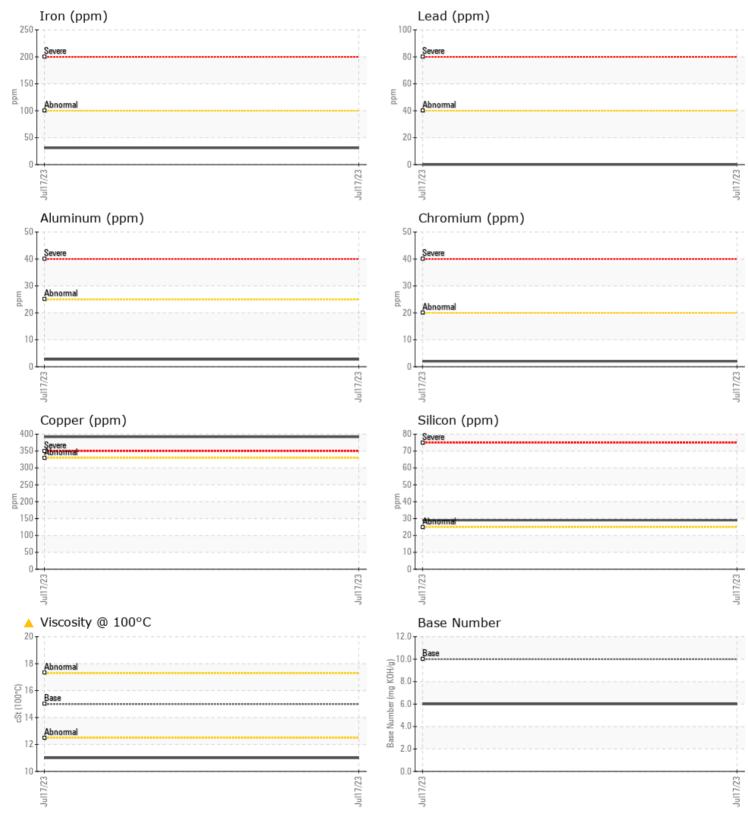
10586913 Jonathan Hester 07 Aug 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: BRANDON JENKINS - VOLVO8769