

CONSTRUCTION EQUIPMENT VOLVO A45G 0T58 - DIESEL ENGINE



Sample No:VCP437778Oil Type:CITGARD 15W40

Job No:

	NFORMATION			
Sample Number		VCP437778	 	
Sample Date		18 Jan 2024	 	
Machine Hours		500	 	
Oil Hours		500	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
Sumple Status		ADITORINAL		
OIL CONDI				
Visc @ 100°C	cSt	12.1	 	
		8.8		
Base Number (BN)			 	
Oxidation (PA)	%	59	 	
VOLVO				
V CONTAMIN	NATION			
Water	%	NEG	 	
Soot %	%	0.4	 	
Nitration (PA)	%	67	 	
Sulfation (PA)	%	55	 	
Glycol	%	NEG	 	
Fuel	%	0.4	 	
Silicon	ppm	17	 	
Sodium	ppm	A 318	 	
Potassium	ppm	A 77	 	
WEAR ME	TALS			
Iron	ppm	28	 	
Copper	ppm	1 4	 	
Lead	ppm	■4	 	
Tin	ppm	 <1	 	
Aluminum	ppm	1 4	 	
Chromium	ppm		 	
Molybdenum	ppm	62	 	
Nickel	ppm	7	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	
	5			
Calcium	ppm	1655	 	
Magnesium	ppm	399	 	
Zinc	ppm	1228	 	
Phosphorus	ppm	1060	 	
Barium	ppm	0	 	
Boron	ppm	1 6	 	



MITCHELL & STARK CONSTRUCTION CO 6001 Shirley St NAPLES, FL US 34109 Contact: SERVICE MANAGER

T: (239)597-2165 F: (239)566-7865

Diagnosis

The oil 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. Sodium and/or potassium levels are high. Fuel content negligible. Test for glycol is negative. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 MITNAP

 Unique No:
 10849246

 Signed:
 Jonathan Hester

 Report Date:
 31 Jan 2024

Report Id: MITNAP [WUSCAR] 06072569 (Generated: 01/31/2024 16:04:50) Rev: 1

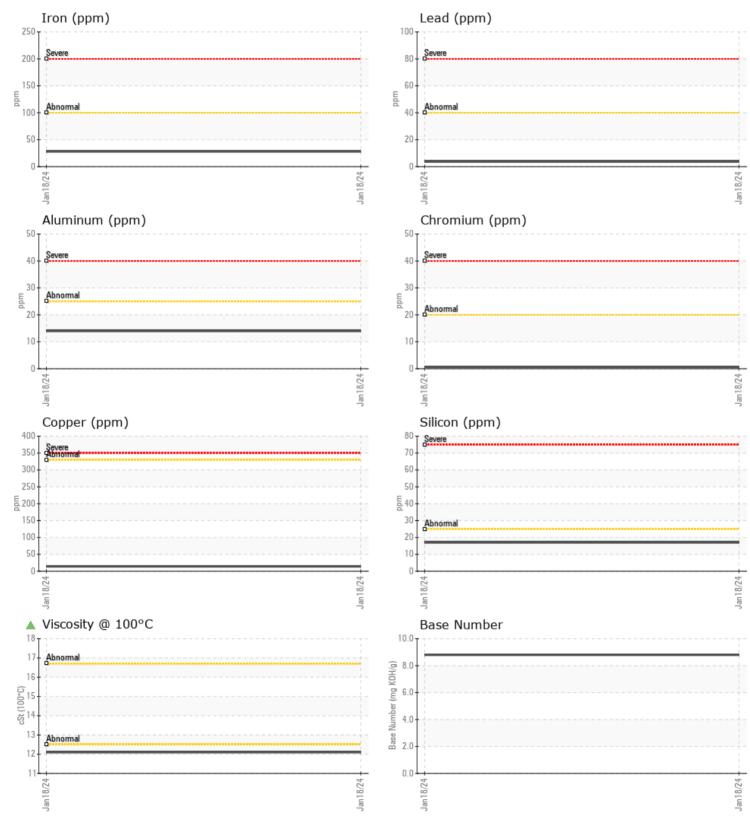
Contact/Location: SERVICE MANAGER - MITNAP

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: MITNAP [WUSCAR] 06072569 (Generated: 01/31/2024 16:04:52) Rev: 1

Contact/Location: SERVICE MANAGER - MITNAP