

CONSTRUCTION EQUIPMENT TORO STX38 411838941 - DIESEL ENGINE



Sample No: VCP402635

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

	iype.	
Iak	Nex	

Job No:

	FORMATION			
			 <u>.</u>	-
Sample Number		VCP402635	 	
Sample Date		12 Sep 2023	 	
Machine Hours		108	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION		 	
Visc @ 100°C	cSt	10.4	 	
Base Number (BN)	mg KOH/g	8.4	 	
Oxidation (PA)	%	57	 	
VOLVO				
Contamin	NATION			
Soot %	%	0.1	 	
Nitration (PA)	%	93	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	A 3.7	 	
Silicon	ppm	10	 	
Sodium	ppm	14	 	
Potassium	ppm	9	 	
VOLVO	TALC			
WEAR ME	TALS			
Iron	ppm	46	 	
Copper	ppm	21	 	



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

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. Light fuel dilution occurring. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The condition of the oil is suitable for further service.

WEAR I	METALS			
Iron	ppm	46	 	
Copper	ppm	21	 	
Lead	ppm	 <1	 	
Tin	ppm	15	 	
Aluminum	ppm	22	 	
Chromium	ppm	2	 	
Molybdenum	ppm	63	 	
Nickel	ppm	 <1	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	4	 	
Vanadium	ppm	<1	 	

Variadia

ADDITI	VES			
Calcium	ppm	1711	 	
Magnesium	ppm	<u> </u>	 	
Zinc	ppm	🔺 1537	 	
Phosphorus	ppm	1028	 	
Barium	ppm	0	 	
Boron	ppm	1 9	 	

 Depot:
 VOLVO0090

 Unique No:
 10649654

 Signed:
 Wes Davis

 Report Date:
 20 Sep 2023

Report Id: VOLVO0090 [WUSCAR] 05953695 (Generated: 09/20/2023 00:30:53) Rev: 1

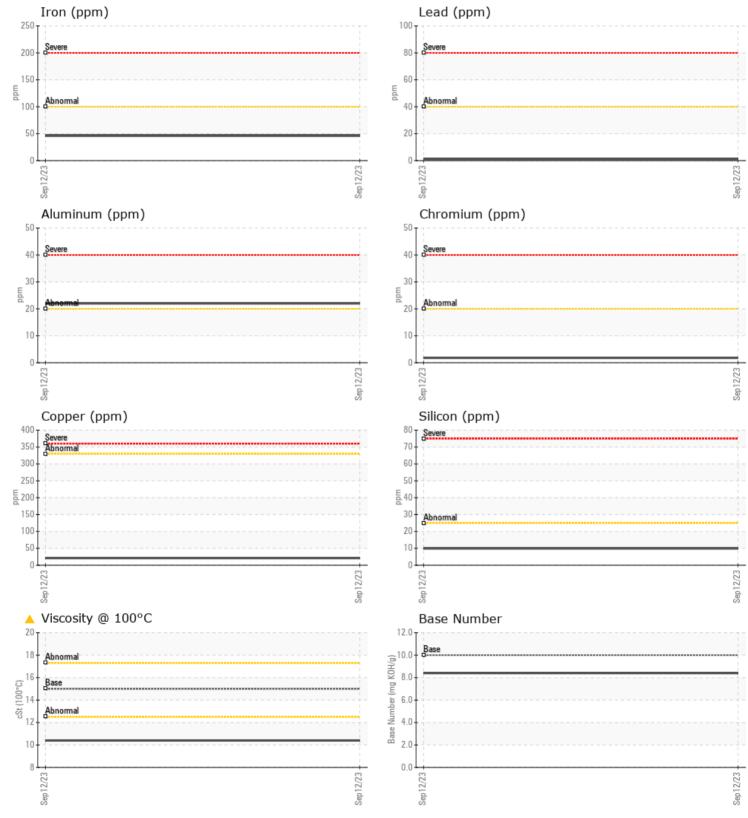
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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