CONSTRUCTION EQUIPMENT SWA333590 PETERSON 5710E 40E-288-2736 - DIESEL ENGINE

 Sample No:
 VCP422382

 Oil Type:
 DIESEL ENGINE OIL SAE 15W40

 Job No:
 SWA333590

## SAMPLE INFORMATION

VOLVO

Sample Number	-	VCP422382	 	
Sample Date		18 Aug 2023	 	
Machine Hours		616	 	
Oil Hours		180	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI				
Visc @ 100°C	cSt	<b>A</b> 11.8	 	
Base Number (BN)	mg KOH/g	9.3	 	
Oxidation (PA)	%	103	 	
CONTAMIN				
		-		
Soot %	%	0.3	 	
Nitration (PA)	%	85	 	
Sulfation (PA)	%	70	 	
Glycol	%	NEG	 	
Fuel	%	<b>4</b> 3.4	 	
Silicon	ppm	24	 	
Sodium	ppm	5	 	
Potassium	ppm	28	 	

WEAR I	METAL3			
Iron	ppm	29	 	
Copper	ppm	🔺 414	 	
Lead	ppm	6	 	
Tin	ppm	3	 	
Aluminum	ppm	26	 	
Chromium	ppm	<b>4</b>	 	
Molybdenum	ppm	<b>47</b>	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	<1	 	

ADDITIVES								
ppm	1749							
ppm	509							
ppm	<b>1190</b>							
ppm	900							
ppm	0							
ppm	65							
	ppm ppm ppm ppm ppm	ppm 1749 ppm 509 ppm 1190 ppm 900 ppm 0	ppm       1749          ppm       509          ppm       1190          ppm       900          ppm       0	ppm         1749             ppm         509             ppm         1190             ppm         900             ppm         0				



## 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

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Light fuel dilution occurring. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:VCUnique No:10Signed:29Report Date:29

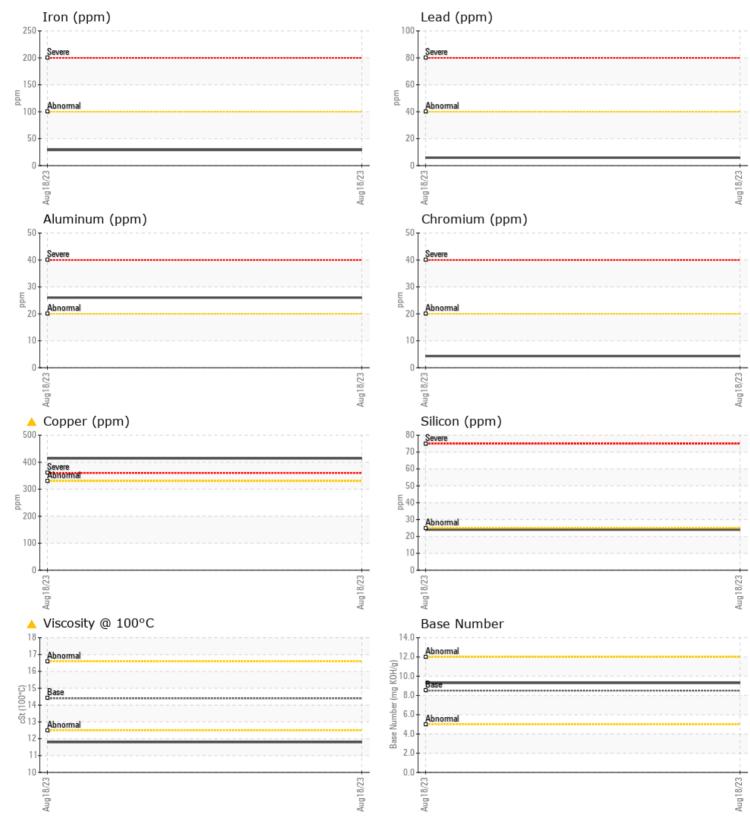
VOLVO0090 10619888 Jonathan Hester 29 Aug 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: TODD LARK - VOLVO0090