CONSTRUCTION EQUIPMENT SWA230464 JACK DYKST VOLVO EC305CL 110686 - DIESELENG

Sample No: VCP405731

VOLVO

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

Job No: SWA230464 JACK DYKST

SAMPLE INFORMATION

Sample Number		VCP405731	 	
Sample Date		12 Apr 2023	 	
Machine Hours		4370	 	
Oil Hours		300	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI				
Visc @ 100°C	cSt	A 11.8	 	
Base Number (BN)	mg KOH/g	9.0	 	
Oxidation (PA)	%	67	 	
CONTAMIN				
	IATION			
Soot %	%	∎0.1	 	
Nitration (PA)	%	43	 	
Sulfation (PA)	%	54	 	
Glycol	%	NEG	 	
Fuel	%	0.2	 	
Silicon	ppm	<u> </u>	 	
Sodium	ppm	6	 	
Potassium	ppm	11	 	

WEAR I	METALS			
Iron	ppm	1 4	 	
Copper	ppm	5	 	
Lead	ppm	■ <1	 	
Tin	ppm	1	 	
Aluminum	ppm	2	 	
Chromium	ppm	5	 	
Molybdenum	ppm	54	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

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ADDITIVES							
Calcium	ppm	1573					
Magnesium	ppm	446					
Zinc	ppm	1071					
Phosphorus	ppm	893					
Barium	ppm	2					
Boron	ppm	107					



ALTA EQUIPMENT COMPANY- BYRON CENTER

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Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO0046

 Unique No:
 10428252

 Signed:
 Jonathan Hester

 Report Date:
 20 Apr 2023

Report Id: VOLVO0046 [WUSCAR] 05820169 (Generated: 10/12/2023 09:36:43) Rev: 1

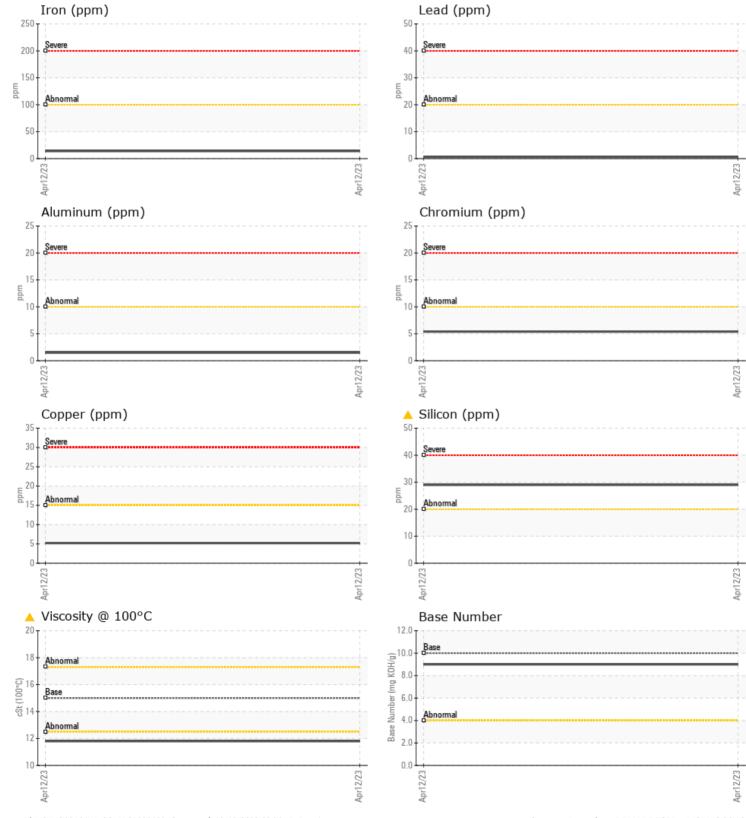
Contact/Location: BRIAN RESER - VOLVO0046

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: BRIAN RESER - VOLVO0046