CONSTRUCTION EQUIPMENT WILLCO VOLVO ECR40D 15163 - DIESEL ENGINE



 Sample No:
 VCP392713

 Oil Type:
 VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 WILLCO

Job No:

SAMPLE INFORMATION

Sample Number	-	VCP392713		
Sample Date		26 Jun 2023		
Machine Hours		668		
Oil Hours		500		
Oil Changed		Changed		
Sample Status		SEVERE		
OIL CONDI				
	-		<u>.</u>	
Visc @ 100°C	cSt	5.9		
Base Number (BN)	mg KOH/g	7.2		
Oxidation (PA)	%	54		
CONTAMIN				
CONTAMIN	ATION			
Soot %	%	0.3		
Nitration (PA)	%	64		
Sulfation (PA)	%	48		
Glycol	%	NEG		
Fuel	%	e 24.2		
Silicon	ppm	6		

Potassium

ppm

ppm

8 🔲

3

Sodium

WEAR N	METALS			
Iron	ppm	32	 	
Copper	ppm	15	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	8	 	
Chromium	ppm	1	 	
Molybdenum	ppm	10	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	□1	 	
Vanadium	ppm	0	 	

ADDITIVES							
Calcium	ppm	2287					
Magnesium	ppm	81					
Zinc	ppm	1031					
Phosphorus	ppm	833					
Barium	ppm	23					
Boron	ppm	4					
DOIOII	ppm	4					



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

8418 PALM RIVER ROAD TAMPA, FL US 33619 Contact: KENNY HANEY khaney@flaglerce.com T: (813)630-0077 F: (813)630-2233

Diagnosis

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Metal levels are typical for a new component breaking in. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. 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 oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VOLVO0093

 Unique No:
 10551661

 Signed:
 Wes Davis

 Report Date:
 13 Jul 2023

Report Id: VOLVO0093 [WUSCAR] 05895851 (Generated: 07/17/2023 09:55:50) Rev: 1

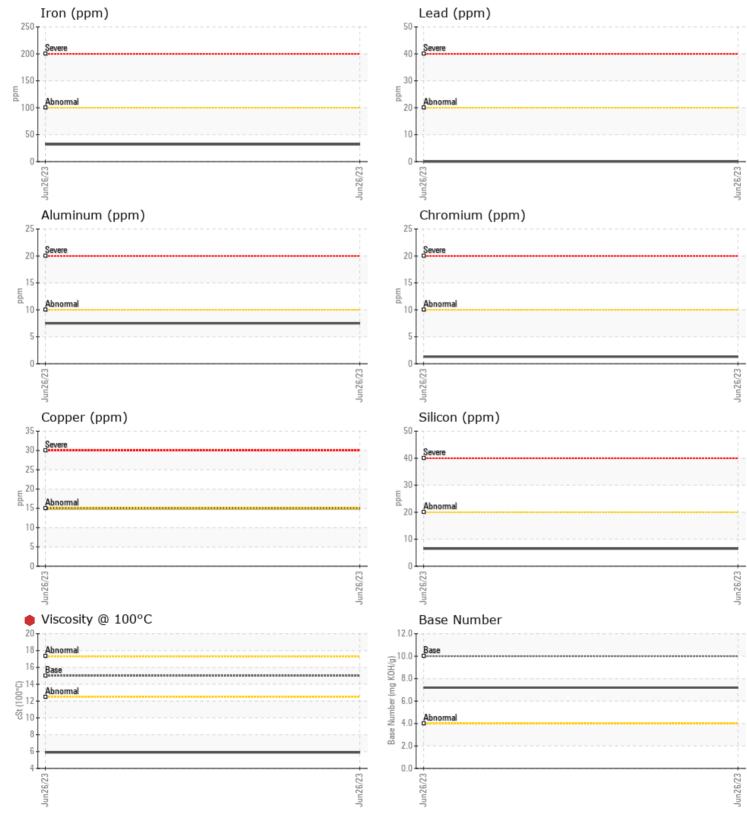
Contact/Location: KENNY HANEY - VOLVO0093

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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