CONSTRUCTION EQUIPMENT RS0035340 VOLVO A30G 742637 - DIESEL ENGINE



Sample No:	VCP415322
Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	RSO035340

SAMPLE INFORMATION

TOTA

Sample Number	-	VCP415322	VCP369219	
Sample Date		13 Sep 2023	16 Nov 2022	
Machine Hours		2486	2095	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	MARGINAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	11.7	<u> </u>	
-				
Base Number (BN)	mg KOH/g	9.1	8.7	
Oxidation (PA)	%	75	85	
VOLVO				
CONTAMIN	IATION			
Soot %	%	0.3	0.6	
Nitration (PA)	%	59	81	
Sulfation (PA)	%	59	70	
Glycol	%	NEG	NEG	
Fuel	%	3.0	< 1.0	
Silicon	ppm	7	8	
Sodium	ppm	∎1	0	
Potassium	ppm	■ <1	1	

WEAR METAL

WEAR P	ICIALS			
Iron	ppm	7	16	
Copper	ppm	5	<u> </u>	
Lead	ppm	□ <1	< 1	
Tin	ppm		1	
Aluminum	ppm	3	2	
Chromium	ppm		<1	
Molybdenum	ppm	45	45	
Nickel	ppm	0	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	□ <1	< 1	
Vanadium	ppm	0	0	

Variacid

ADDITI	VES			
Calcium	ppm	1672	1672	
Magnesium	ppm	496	478	
Zinc	ppm	970	1029	
Phosphorus	ppm	803	854	
Barium	ppm	0	0	
Boron	ppm	41	27	



COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE PENSACOLA, FL US 32534 Contact: HUGH DOBBS HDOBBS@COWIN.COM T: (850)479-3004 F: (850)474-1602

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate 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:
 VOLVO8247

 Unique No:
 10656236

 Signed:
 Wes Davis

 Report Date:
 20 Sep 2023

Report Id: VOLVO8247 [WUSCAR] 05955023 (Generated: 09/20/2023 20:35:30) Rev: 1

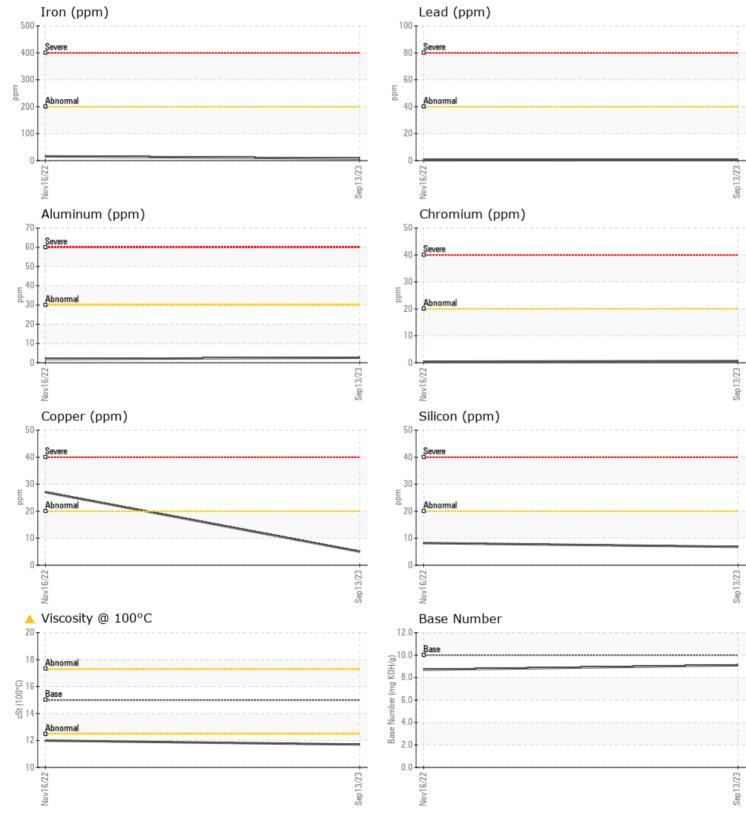
Contact/Location: HUGH DOBBS - VOLVO8247

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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