CONSTRUCTION EQUIPMENT 716869 N AM MINING - DIESEL ENGINE



Sample No:VCP449861Oil Type:VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3Job No:716869 N AM MINING

SAMPLE INFORMATION

VOLVO

Sample Number	•	VCP449861	VCP54870	
Sample Date		17 Jun 2024	17 Jan 2007	
Machine Hours		4855	7313	
Oil Hours		500	0	
Oil Changed		Changed	Not Changd	
Sample Status		ATTENTION	NORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.0	14.13	
Base Number (BN)	mg KOH/g	9.5		
Oxidation (PA)	%	71	42	
CONTAMI	NATION			
Water	%	NEG	NEG	
Soot %	%	0.1	0.2	
Nitration (PA)	%	56	45	
Sulfation (PA)	%	57	44	
Glycol	%	NEG	NEG	
Fuel	%	0.3	<1.0	
Silicon	ppm	4	4	
Sodium	ppm	3	1	
Potassium	ppm	■ <1	0	



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD TAMPA, FL US 33619 Contact: JOHN FARDELLA john.fardella@altg.com T: (813)630-0077 F: (813)630-2233

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

VOLVO				
	METALS			
Iron	ppm	4	6	
Copper	ppm	2	1	
Lead	ppm	0	0	
Tin	ppm	0	0	
Aluminum	ppm	□<1	2	
Chromium	ppm	0	<1	
Molybdenum	ppm	40	1	
Nickel	ppm	0	<1	
Titanium	ppm	0	< 1	
Silver	ppm	0	0	
Manganese	ppm	□<1	<1	
Vanadium	ppm	0	0	

ADDITIVES						
Calcium	ppm	1562	2704			
Magnesium	ppm	549	11			
Zinc	ppm	1043	1149			
Phosphorus	ppm	926	1103			
Barium	ppm	0	0			
Boron	ppm	41	4			

 Depot:
 VOLV00093

 Unique No:
 11126329

 Signed:
 Sean Felton

 Report Date:
 18 Jul 2024

Report Id: VOLVO0093 [WUSCAR] 06237495 (Generated: 07/18/2024 09:16:11) Rev: 1

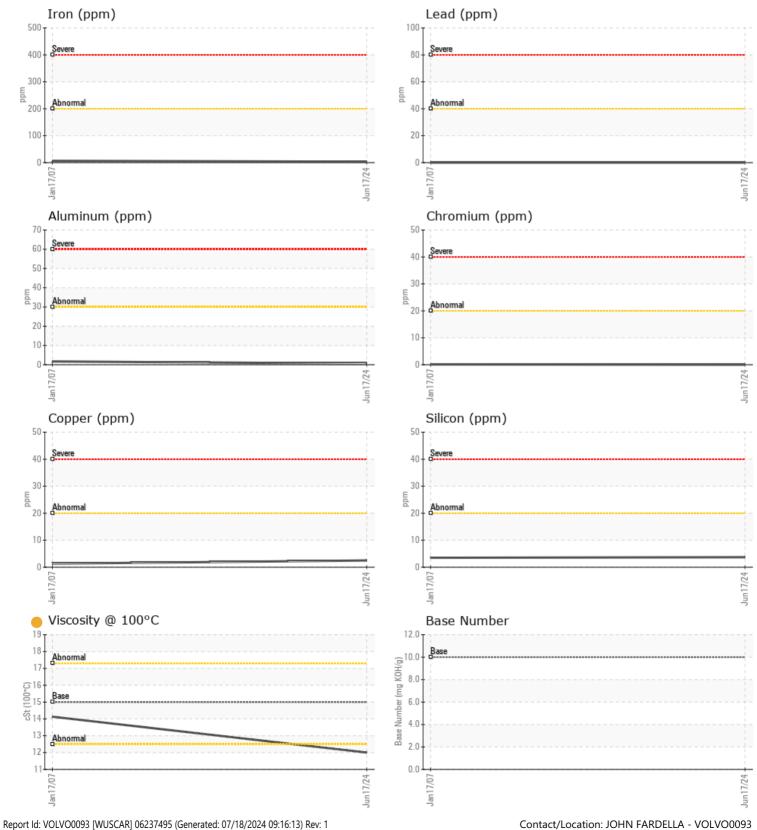
Contact/Location: JOHN FARDELLA - VOLVO0093

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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