CONSTRUCTION EQUIPMENT 660078 MOSAIC CO VOLVO A45G 352594 - DIESEL ENGINE



Sample No: VCP449203 **Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: 660078 MOSAIC CO

SAMPLE INFORMATION

VOINTO

Sample Number	-	VCP449203	VCP0007630	
Sample Date		12 Jan 2024	06 Jun 2023	
Machine Hours		5024	0	
Oil Hours		500	0	
Oil Changed		Changed	N/A	
Sample Status		NORMAL	NORMAL	
VOLVO				
V OIL CONDI	IIUN			
Visc @ 100°C	cSt	12.8	13.3	
Base Number (BN)	mg KOH/g	9.5	6.6	
Oxidation (PA)	%	77	61	
			<u>.</u>	
Water	%	NEG	NEG	
Soot %	%	0.2	0.5	
Nitration (PA)	%	63	83	
Sulfation (PA)	%	59	60	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	7	7	
Sodium	ppm	3	3	
Potassium	ppm	□ <1	 <1	

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

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

WEAR I	METALS			
Iron	ppm	9	13	
Copper	ppm	∎1	2	
Lead	ppm	 <1	<1	
Tin	ppm		 <1	
Aluminum	ppm	2	<1	
Chromium	ppm	0	<1	
Molybdenum	ppm	40	33	
Nickel	ppm	4	2	
Titanium	ppm	5	55	
Silver	ppm	0	0	
Manganese	ppm	■ <1	<1	
Vanadium	ppm	0	<1	

ADDITIVES							
Calcium	ppm	1755	1839				
Magnesium	ppm	503	306				
Zinc	ppm	1190	1199				
Phosphorus	ppm	1024	965				
Barium	ppm	0	0				
Boron	ppm	50	90				

Depot: VOLVO0093 Unique No: 10861623 Signed: Wes Davis Report Date: 06 Feb 2024

Submitted By: TECHNICIAN ACCOUNT

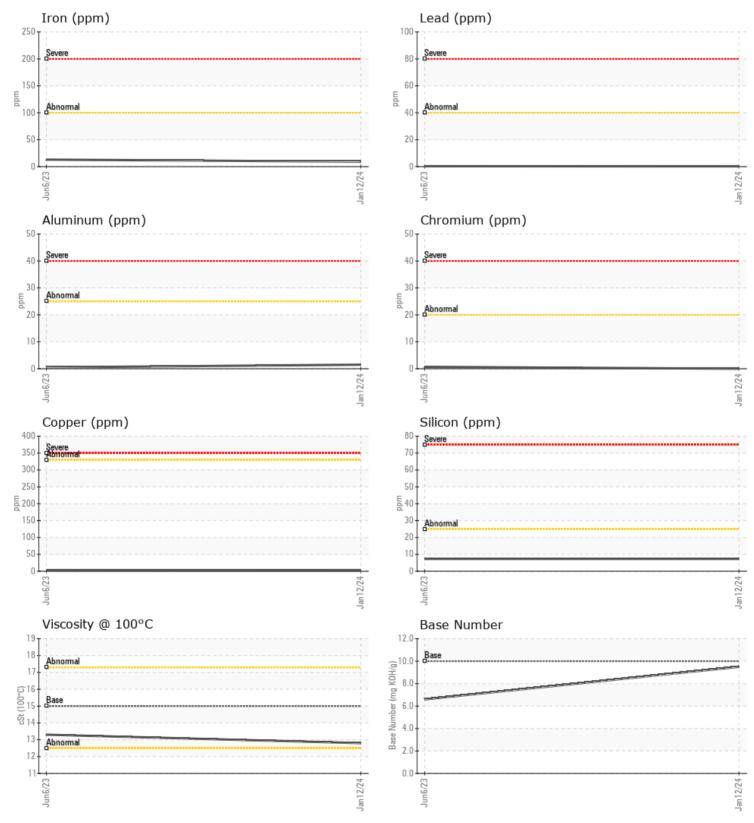
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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