CONSTRUCTION EQUIPMENT 23980 VOLVO A40G 352464 - DIESEL ENGINE



Sample No: VCP435176

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	23980

SAMPLE IN	FORMATION			
Sample Number	-	VCP435176	VCP407057	
Sample Date		09 Sep 2023	25 May 2023	
Machine Hours		3992	3349	
Oil Hours		1000	1000	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDI	LION			
Visc @ 100°C	cSt	12.1	12.7	
Base Number (BN)	mg KOH/g	9.0	6.0	
Oxidation (PA)	%	70	68	
	IATION			

	MINATION			
Soot %	%	0.2	0.2	
Nitration (PA)	%	71	77	
Sulfation (PA)	%	56	55	
Glycol	%	NEG	NEG	
Fuel	%	2.2	< 1.0	
Silicon	ppm	6	4	
Sodium	ppm	3	3	
Potassium	ppm	3	2	

VOLVO

VEAR M	ETALS			
Iron	ppm	8	14	
Copper	ppm	2	5	
Lead	ppm	1	1	
Tin	ppm	2	2	
Aluminum	ppm	1	2	
Chromium	ppm		 <1	
Molybdenum	ppm	41	64	
Nickel	ppm		2	
Titanium	ppm	<1	0	
Silver	ppm	0	0	
Manganese	ppm	□ <1	<1	
Vanadium	ppm	<1	<1	

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ADDIT	IVES			
Calcium	ppm	1973	1179	
Magnesium	ppm	537	941	
Zinc	ppm	1198	1379	
Phosphorus	ppm	972	1081	
Barium	ppm	0	0	
Boron	ppm	30	6	
DOTOTI	ppm	_ 50	0	



218 - ASCENDUM MACHINERY INC - N. CHARLESTON

7235 CROSS COUNTRY RD. NORTH CHARLESTON, SC US 29418 Contact: MATT MITCHAM matt.mitcham@ascendummachinery.com T: F: (843)414-1129

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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.

 Depot:
 VOLVO3387

 Unique No:
 10647854

 Signed:
 Wes Davis

 Report Date:
 18 Sep 2023

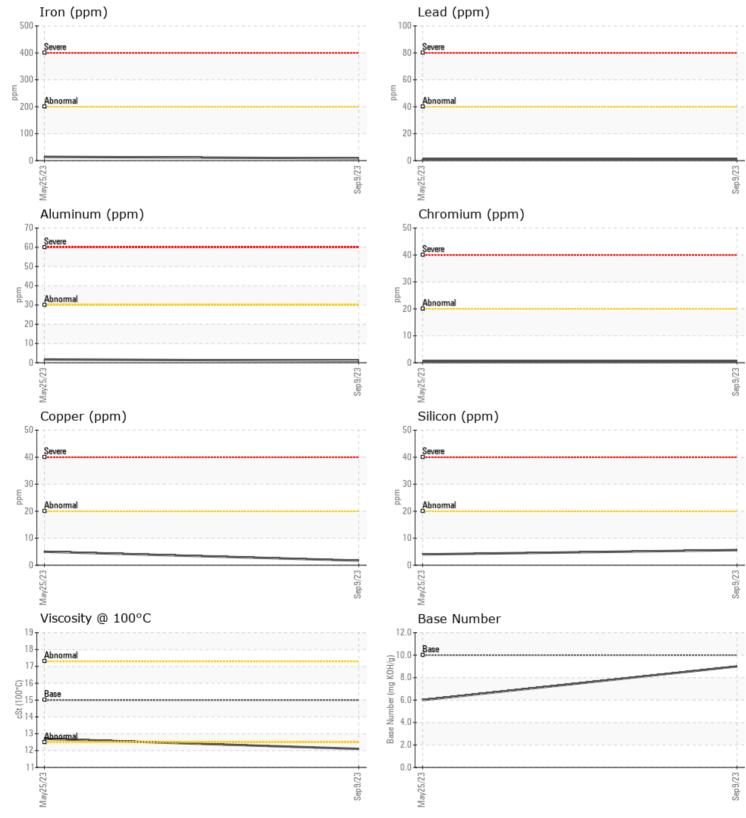
Contact/Location: MATT MITCHAM - VOLVO3387

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: MATT MITCHAM - VOLVO3387