CONSTRUCTION EQUIPMENT

ENGINE

Sample No: VCP379030

VOLVO

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

SAMPLE INFORMATION

Sample Number	-	VCP379030	VCP379025	
Sample Date		26 Jun 2023	13 Feb 2023	
Machine Hours		504	246	
Oil Hours		250	246	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	ABNORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.0	1 2.0	
Base Number (BN)	mg KOH/g	7.0	9.8	
Oxidation (PA)	%	43	74	
CONTAMI	NATION			
Soot %	%	0.3	0.3	
Nitration (PA)	%	65	59	
Sulfation (PA)	%	52	60	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	2 .6	
Silicon	ppm	8	16	
Sodium	ppm	2	4	



HIGHWAY EQUIPMENT AND SUPPLY CO

122 FRITZ ROAD LOCK HAVEN, PA US 17745 Contact: TERRY HESS thess@hwyequip.com T: (570)769-1070 F: (570)769-1071

Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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.

Potassium

ppm

■ <1

WEAR I	METALS			
Iron	ppm	14	28	
Copper	ppm	2	10	
Lead	ppm	□ <1	1	
Tin	ppm	1	3	
Aluminum	ppm	7	5 6	
Chromium	ppm	2	8	
Molybdenum	ppm	38	37	
Nickel	ppm	0	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	□ <1	4	
Vanadium	ppm	0	0	

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ADDITIVES							
Calcium	ppm	1549	1492				
Magnesium	ppm	493	558				
Zinc	ppm	1041	1050				
Phosphorus	ppm	889	911				
Barium	ppm	0	2				
Boron	ppm	56	62				

 Depot:
 HIGLOC

 Unique No:
 10538665

 Signed:
 Wes Davis

 Report Date:
 03 Jul 2023

Report Id: HIGLOC [WUSCAR] 05888182 (Generated: 07/03/2023 13:49:05) Rev: 1

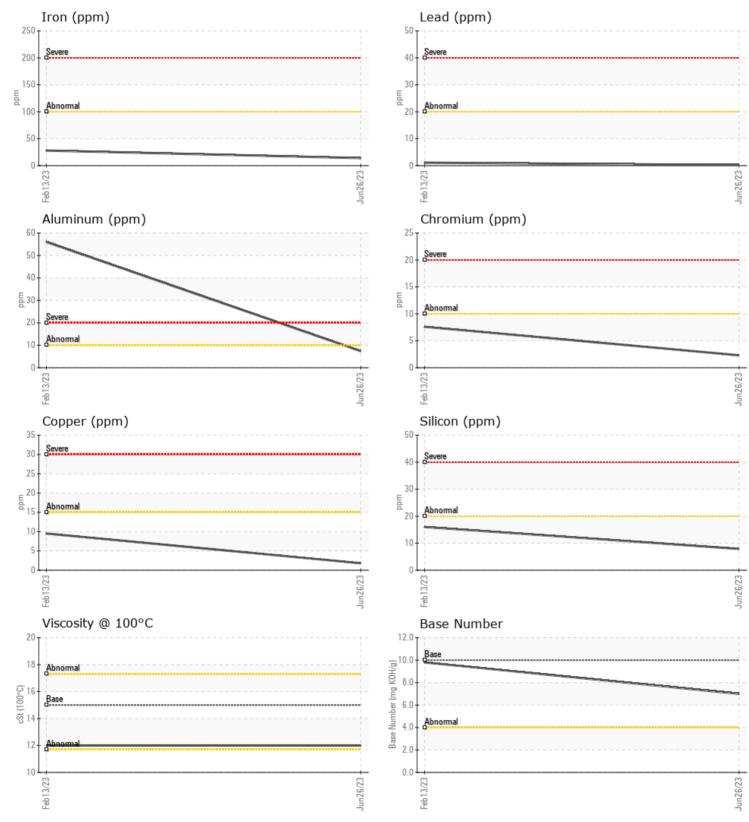
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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