CONSTRUCTION EQUIPMENT HERC VOLVO L110H 632218 - DIESEL ENGINE



Sample No: VCP425831

VOLVO

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

SAMPLE IN	FORMATION			
Sample Number	-	VCP425831	VCP390737	
Sample Date		04 Oct 2023	04 Oct 2022	
Machine Hours		2218	1020	
Oil Hours		0	500	
Oil Changed		N/A	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.4	13.0	
Base Number (BN)	mg KOH/g	6.6	9.5	
Oxidation (PA)	%	59	69	
CONTAMIN	ATION			
Soot %	%	0.5	0.2	
Nitration (DA)	0/	70	6.2	

Soot %	%	0.5	0.2	
Nitration (PA)	%	70	63	
Sulfation (PA)	%	58	66	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	9	10	
Sodium	ppm	2	3	
Potassium	ppm		3	

WEAR N	METALS			
Iron	ppm	41	10	
Copper	ppm	11	5	
Lead	ppm	2	1	
Tin	ppm	2	2	
Aluminum	ppm	1 3	18	
Chromium	ppm	2	2	
Molybdenum	ppm	76	103	
Nickel	ppm	 <1	<1	
Titanium	ppm	0	< 1	
Silver	ppm	0	<1	
Manganese	ppm	 <1	1	
Vanadium	ppm	0	1	

Variaului

ADUTIVES					
Calcium	ppm	1729	1374		
Magnesium	ppm	354	605		
Zinc	ppm	1279	837		
Phosphorus	ppm	1003	699		
Barium	ppm	0	0		
Boron	ppm	147	223		



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD

TAMPA, FL US 33619 Contact: KENNY HANEY khaney@flaglerce.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.

 Depot:
 VOLVO0093

 Unique No:
 10699574

 Signed:
 Jonathan Hester

 Report Date:
 20 Oct 2023

Report Id: VOLVO0093 [WUSCAR] 05982279 (Generated: 10/22/2023 19:48:59) Rev: 1

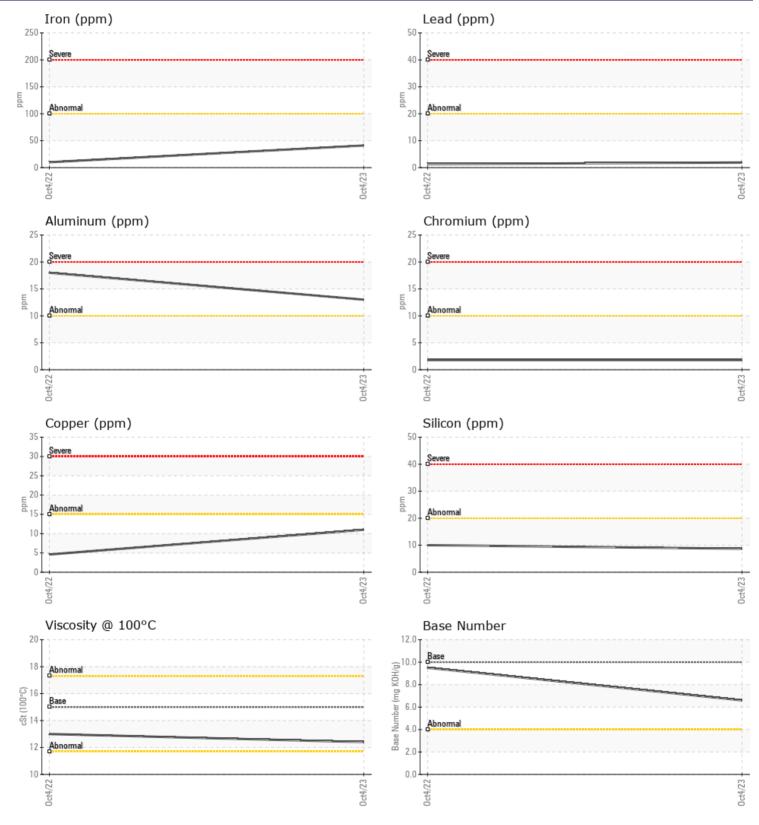
Contact/Location: KENNY HANEY - VOLVO0093

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: KENNY HANEY - VOLVO0093