CONSTRUCTION EQUIPMENT SPM593827 HERC VOLVO ECR235 311787 - DIESEL ENGINE

ENGINE

Sample No:VCP412633Oil Type:VOLVO ULTRA

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
 SPM593827 HERC

Job No:

SAMPLE INFORMATION VCP412633 Sample Number VCP319775 Sample Date 08 Aug 2023 15 Sep 2021 Machine Hours 2592 1063 Oil Hours 0 0 Oil Changed Changed Changed NORMAL ABNORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.9 13.6 Base Number (BN) mg KOH/g 8.2 Oxidation (PA) 55 73 % CONTAMINATION

Soot %	%	0	0.3	
Nitration (PA)	%	37	78	
Sulfation (PA)	%	55	61	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	5	14	
Sodium	ppm	0	3	
Potassium	ppm	2	2	

VOLVO

WEAR N	METALS			
Iron	ppm	3	44	
Copper	ppm	0	9	
Lead	ppm	 <1	2	
Tin	ppm	0	3	
Aluminum	ppm	 <1	A 21	
Chromium	ppm	0	6	
Molybdenum	ppm	82	47	
Nickel	ppm	0	6	
Titanium	ppm	0	<1	
Silver	ppm	0	<1	
Manganese	ppm	0	3	
Vanadium	ppm	0	0	

Vanaulu

ADDITIVES								
Calcium	ppm	1446	2149					
Magnesium	ppm	398	333					
Zinc	ppm	1321	1097					
Phosphorus	ppm	1042	885					
Barium	ppm	0	0					
Boron	ppm	481	4 0					



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:
 10604690

 Signed:
 Wes Davis

 Report Date:
 15 Aug 2023

Report Id: VOLVO0093 [WUSCAR] 05924743 (Generated: 08/15/2023 16:38:00) Rev: 1

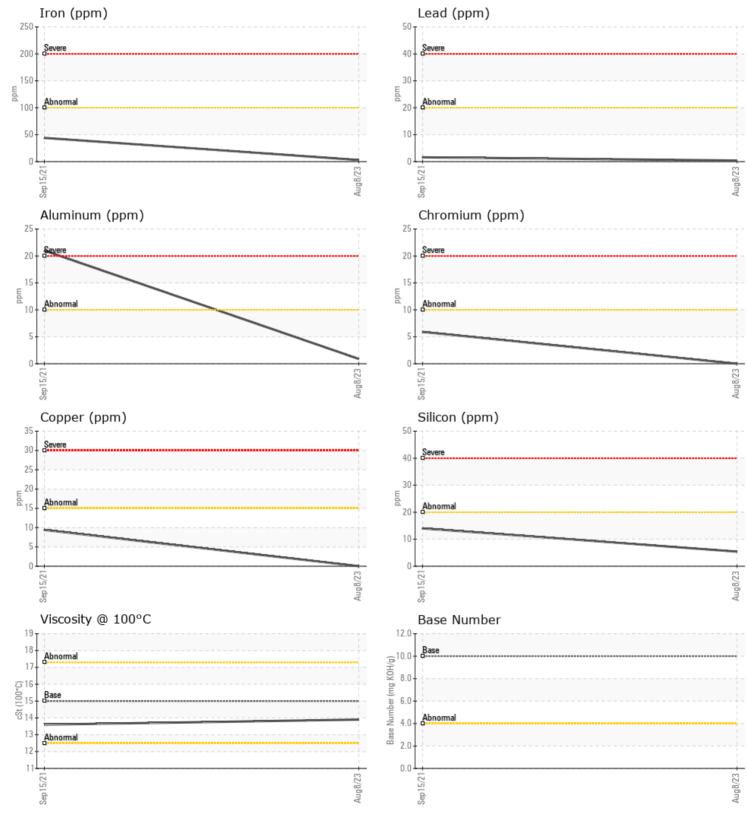
Contact/Location: KENNY HANEY - VOLVO0093

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: KENNY HANEY - VOLVO0093