CONSTRUCTION EQUIPMENT W07013329 VOLVO ECR235E 314664 - DIESEL ENGINE

 Sample No:
 VCP415465

 Oil Type:
 MOBIL 15W40

 Job No:
 W07013329

VOLVO

SAMPLE INFORMATION

Sample Number		VCP415465	VCP359047	
Sample Date		13 Nov 2023	29 Apr 2022	
Machine Hours		1107	522	
Oil Hours		500	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.9	13.2	
Base Number (BN)	mg KOH/g	7.2	7.5	
Oxidation (PA)	%	67	48	
CONTAMIN	IATION			
Water	%	NEG	NEG	
Soot %	%	0.1	0.1	
Nitration (PA)	%	68	65	
Sulfation (PA)	%	62	53	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	10	13	
Sodium	ppm	2	3	
Potassium	ppm	10	1	
VOLVO				

WEAR METALS

WEAR I	METALS			
Iron	ppm	24	29	
Copper	ppm	2	6	
Lead	ppm	 <1	1	
Tin	ppm	2	2	
Aluminum	ppm	6	4	
Chromium	ppm	1	2	
Molybdenum	ppm	116	11	
Nickel	ppm	3	7	
Titanium	ppm	<1	<1	
Silver	ppm	0	0	
Manganese	ppm	 <1	3	
Vanadium	ppm	<1	0	

ADDITIVES							
Calcium	ppm	1556	2384				
Magnesium	ppm	511	138				
Zinc	ppm	1054	1125				
Phosphorus	ppm	933	1002				
Barium	ppm	0	0				
Boron	ppm	229	13				



MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND

1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060 Contact: KYLE RATLIFFE KRATLIFFE@MCCLUNG-LOGAN.COM T: F: (804)266-1611

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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:
 VOLVO8882

 Unique No:
 10756824

 Signed:
 Wes Davis

 Report Date:
 28 Nov 2023

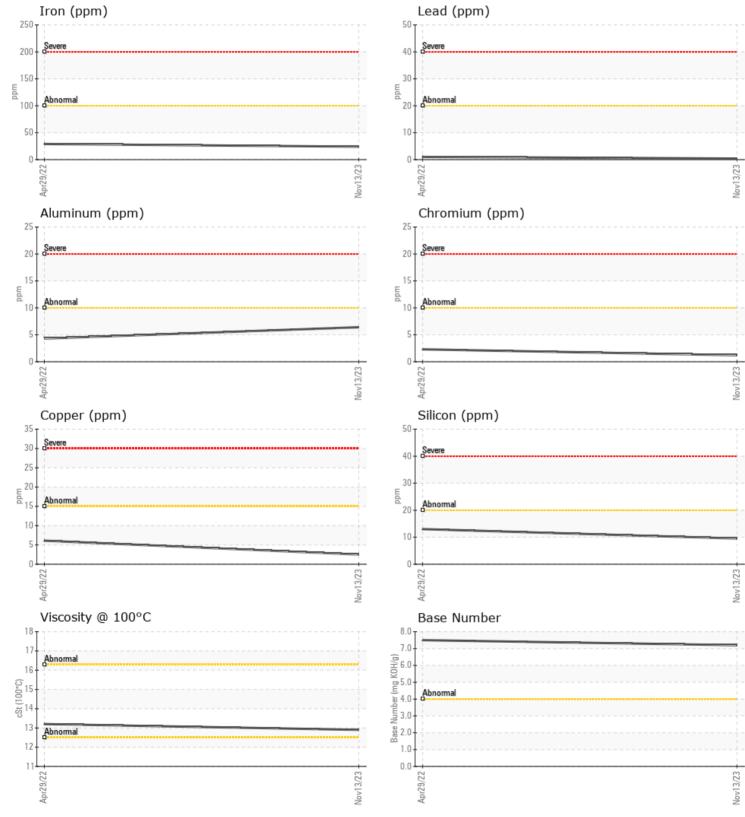
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8882 [WUSCAR] 06017680 (Generated: 11/30/2023 02:37:42) Rev: 1

Contact/Location: KYLE RATLIFFE - VOLVO8882