

CONSTRUCTION EQUIPMENT VOLVO EC480EL 314022 - DIESEL ENGINE



Sample No: VCP270465

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

SAMPLE	INFORMATIO	N			
Sample Number		VCP270465	VCP265185		
Sample Date		18 Feb 2020	27 Nov 2019		
Machine Hours		1219	730		
Oil Hours		0	0		
Oil Changed		Changed	Changed		
Sample Status		ABNORMAL	ABNORMAL		
OIL COND	DITION				
Visc @ 100°C	cSt	12.5	12.4		
Oxidation (PA)	%	71	74		
CONTAMINATION					

Soot %	%	0.1	0.1	
Nitration (PA)	%	79	69	
Sulfation (PA)	%	60	59	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	10	25	
Sodium	ppm	3	3	
Potassium	ppm	2	0	

WEAR METALS

	METALS			
Iron	ppm	7	15	
Copper	ppm	<u> </u>	▲ 244	
Lead	ppm	■ <1	<1	
Tin	ppm		0	
Aluminum	ppm	1	3	
Chromium	ppm		 <1	
Molybdenum	ppm	1 3	13	
Nickel	ppm		<1	
Titanium	ppm	0	<1	
Silver	ppm	0	0	
Manganese	ppm	□ <1	2	
Vanadium	ppm	0	0	

VOLVO

Calcium	ppm	1458	2142		
Magnesium	ppm	563	103		
Zinc	ppm	759	1051		
Phosphorus	ppm	675	802		
Barium	ppm	0	0		
Boron	ppm	16	12		



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.The copper level has decreased, but is still abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO0090

 Unique No:
 8932741

 Signed:
 Don Baldridge

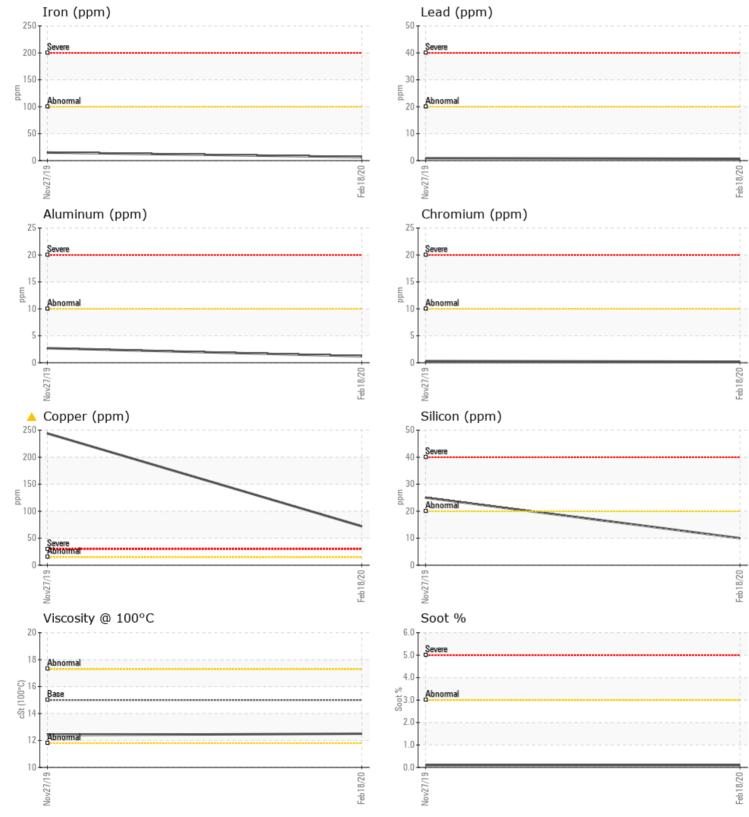
 Report Date:
 24 Feb 2020

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 04917662 (Generated: 07/07/2023 12:23:37) Rev: 1

Contact/Location: TODD LARK - VOLVO0090