CONSTRUCTION EQUIPMENT VOLVO EWR130E 320192 - DIESEL ENGINE 489



Sample No: VCP412790 **Oil Type:** MOBIL 15W40 Job No: 489

VOLVO

	INFORMATION				
Sample Number		VCP412790			
Sample Date		18 Oct 2023			
Machine Hours		454			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		ABNORMAL			
VOLVO					
V OIL CON				_	
Visc @ 100°C	cSt	A 10.9			
Base Number (BN	i) mg KOH/g	9.5			
Oxidation (PA)	%	82			
VOLVO					
CONTAM					
			<u>-</u>	-	
Soot %	%	0.2			
Nitration (PA)	%	56			
Sulfation (PA)	%	60			
Glycol	%	NEG			
Fuel	%	0.8			
Silicon	ppm	27			
Sodium	ppm	■4			
Potassium	ppm	8			
VOLVO					
🤍 WEAR M	ETALS				
Iron	ppm	97			
Copper		∎ 11			
Lead	ppm	0			
Tin	ppm	3			
Aluminum	ppm ppm	▲ 71			
Chromium		14			
Molybdenum	ppm	35			
Nickel	ppm	■ 35 ▲ 10			
Titanium	ppm	<1			
Silver	ppm	< 1			
	ppm				
Manganese	ppm	□ 4 0			
Vanadium	ppm	U			

VCES- VOLVO CONSTRUCTION EQUIPMENT

12345 MAPLEVIEW STREET LAKESIDE, CA US 92040 Contact: Mark Stewart mark.stewart@vcesvolvo.com T: X: F: X:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The aluminum level is abnormal. The nickel level is abnormal. All other metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot: VOLVO4488 Unique No: Signed: Report Date:

10722521 Jonathan Hester 03 Nov 2023

ppm

ppm

ppm

ppm

ppm

ppm

1562

546 1146

938

0 🔲

48

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

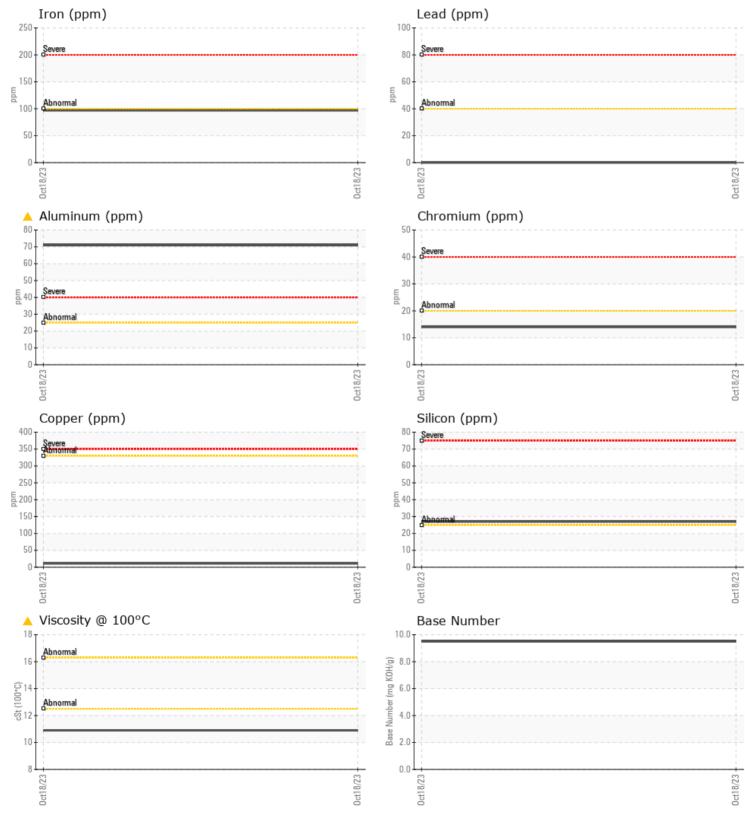
Contact/Location: Mark Stewart - VOLVO4488

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: Mark Stewart - VOLVO4488