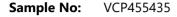


CONSTRUCTION EQUIPMENT

SWO-071297 TRIPLE R VOLVO EC380EL 315255 - DIESEL ENGINE



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

Job No: SWO-071297 TRIPLE R

VOLVO	JEODMATION				
	FORMATION	_			_
Sample Number		VCP455435			
Sample Date		17 Apr 2024			
Machine Hours		463			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		ABNORMAL			
OIL CONDITION					
Visc @ 100°C	cSt	0 10.4			
Base Number (BN)	mg KOH/g	5.7			
Oxidation (PA)	%	64			
CONTAMINATION					
Water	%	NEG			
Soot %	%	■0.1			
Nitration (PA)	%	83			
Sulfation (PA)	%	55			
Glycol	%	NEG			
Fuel	%	■0.4			
Silicon	ppm	■28			
Sodium	ppm	4			
Potassium	•	■2			
Totassiani	ppm				
VOLVO					
WEAR METALS					
Iron	ppm	10			
Copper	ppm	△ 360			
Lead	ppm	4			
Tin	ppm	<u> </u>			
Aluminum	ppm	2			
Chromium	ppm	■0			
Molybdenum	ppm	■ 76			
Nickel	ppm				
Titanium	ppm	<1			
Silver	ppm	■0			
Manganese		2			
Vanadium	ppm	<1			
variadiani	PPIII	``			
VOLVO					
ADDITION					
Calcium	ppm	2061			
Magnesium	ppm	59			
Zinc	ppm	1006			
	1 F				



COWIN EQUIPMENT COMPANY INC

1501 HWY 78 EAST OXFORD, AL US 36203 Contact: MIKE PATTY mpatty@cowin.com T: (256)832-5053 F: (256)831-4295

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). 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:COWOXFUnique No:10990960Signed:Don BaldridgeReport Date:25 Apr 2024

Contact/Location: MIKE PATTY - COWOXF

ppm

ppm

ppm

873

0

40

Phosphorus

Barium

Boron



CONSTRUCTION EQUIPMENT





