CONSTRUCTION EQUIPMENT X48269 VOLVO EC350EL 314338 - DIESEL ENGINE



Sample No:VCP430469Oil Type:DIESEL ENGINE OIL SAE 15W40

VOLVO

Job No:

X48269

SAMPLE INFORMATION VCP430469 Sample Number VCP379157 Sample Date 14 Feb 2024 06 Jul 2022 Machine Hours 2027 281 Oil Hours 0 0 Oil Changed N/A N/A ABNORMAL Sample Status ABNORMAL **OIL CONDITION** Visc @ 100°C **11.5** cSt 10.4 Base Number (BN) mg KOH/g **A** 3.7 7.9 Oxidation (PA) 102 68 % CONTAMINATION NEG Water % NEG Soot % % 0.1 0.1

Nitration (PA)	%	100	82	
Sulfation (PA)	%	73	58	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	0.7	
Silicon	ppm	18	1 9	
Sodium	ppm	4	1	
Potassium	ppm	2	2	

WEAR METALS

	METALS			
Iron	ppm	24	9	
Copper	ppm	<u> </u>	A 246	
Lead	ppm	5	<1	
Tin	ppm	3	2	
Aluminum	ppm	2	2	
Chromium	ppm		<1	
Molybdenum	ppm	57	62	
Nickel	ppm		0	
Titanium	ppm	0	0	
Silver	ppm	0	<1	
Manganese	ppm	3	3	
Vanadium	ppm	0	0	

ADDITIVES							
Calcium	ppm	1833	1619				
Magnesium	ppm	98	35				
Zinc	ppm	1065	910				
Phosphorus	ppm	914	728				
Barium	ppm	0	0				
Boron	ppm	12	41				



SCOTT EQUIPMENT COMPANY LLC - Lake Charles PO BOX 16955 LAKE CHARLES, LA

US 70616 Contact: TINA LEDOUX tledoux@scottcompanies.com T: (337)433-9811 F: (318)433-6623

Diagnosis

The oil is near the end of it's useful service life, recommend schedule an oil change. 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). There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN level is low. Confirm oil type.

 Depot:
 VOLVO6244

 Unique No:
 10886745

 Signed:
 Jonathan Hester

 Report Date:
 22 Feb 2024

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Report Id: VOLVO6244 [WUSCAR] 06093892 (Generated: 02/23/2024 10:12:07) Rev: 1
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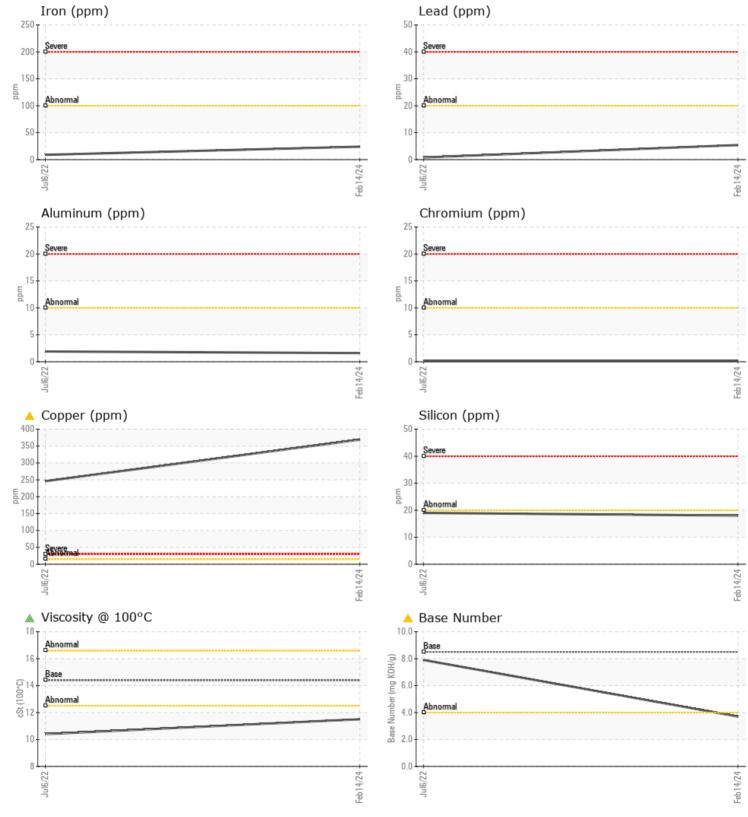
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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