CONSTRUCTION EQUIPMENT SW-33842-2 CASTLE VA VOLVO EC355 314020 - DIESEL ENGINE

 Sample No:
 VCP397010

 Oil Type:
 VOLVO ULTRA

 Job No:
 SW-33842-2 (2000)

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

No: SW-33842-2 CASTLE VA

Sodium

10

Potassium

ppm

ppm

0

2

SAMPLE INFORMATION VCP397010 Sample Number VCP406960 Sample Date 03 May 2024 19 Aug 2023 Machine Hours 3270 2708 Oil Hours 560 475 Changed Oil Changed Changed Sample Status ATTENTION ABNORMAL **OIL CONDITION** Visc @ 100°C cSt 12.2 **1**2.2 8.8 Base Number (BN) mg KOH/g 7.5 Oxidation (PA) 62 % 61 CONTAMINATION NEG % NEG Water % Soot % 0.2 0.1 Nitration (PA) % 68 61 % 53 53 Sulfation (PA) Glycol % NEG NEG Fuel % 3.1 <1.0 Silicon ppm 6 4



ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: TONY PAYAN tpayan@arnoldmachinery.com T: (801)972-4000 F: (801)975-9434

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.All component wear rates are normal. 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.

VOLVO				
	METALS			
Iron	ppm	8	5	
Copper	ppm	9	9	
Lead	ppm		<1	
Tin	ppm	1	<1	
Aluminum	ppm	2	1	
Chromium	ppm		<1	
Molybdenum	ppm	69	59	
Nickel	ppm	2	0	
Titanium	ppm	<1	<1	
Silver	ppm	0	<1	
Manganese	ppm	■ <1	<1	
Vanadium	ppm	<1	<1	

2

■<1

Calcium	ppm	1123	1207				
Magnesium	ppm	945	949				
Zinc	ppm	1239	1208				
Phosphorus	ppm	1112	994				
Barium	ppm	2	0				
Boron	ppm	3	4				

 Depot:
 VOLVO8770

 Unique No:
 11022896

 Signed:
 Sean Felton

 Report Date:
 14 May 2024

Report Id: VOLVO8770 [WUSCAR] 06176843 (Generated: 05/14/2024 15:49:08) Rev: 1

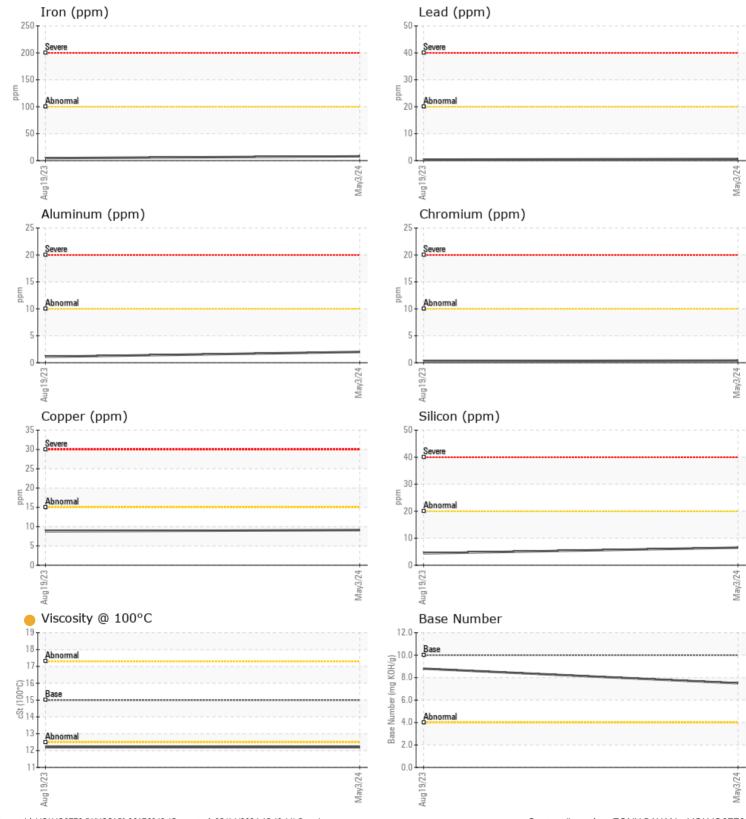
Contact/Location: TONY PAYAN - VOLVO8770

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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