CONSTRUCTION EQUIPMENT B50586 JOHN D. WEEK ELTEC J0103 - DIESEL ENGINE

Sample No:VCP424091Oil Type:DIESEL ENGINE OIL SAE 40Job No:B50586 JOHN D. WEEK

VOLVO

VOLVO				
	FORMATION			
Sample Number		VCP424091	VCP424142	 
Sample Date		22 Aug 2023	21 Aug 2023	 
Machine Hours		0	0	 
Oil Hours		0	0	 
Oil Changed		Not Changd	N/A	 
Sample Status		NORMAL		 
OIL CONDI	TION			
Visc @ 100°C	cSt	13.3	11.2	 
Base Number (BN)	mg KOH/g	<b>7.8</b>	5.9	 
Oxidation (PA)	%	63	80	 
CONTAMIN	NATION			
Soot %	%	0.2	0.8	 
Nitration (PA)	%	50	88	 
Sulfation (PA)	%	54	61	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 

5

2

5

Potassium

ppm

ppm

ppm

2

1

5

Silicon

Sodium

WEAR METALS 2 Iron ppm 14 Copper ■ <1 □ < 1 ppm Lead ■ <1 <1 ppm Tin **||** <1 <1 ppm Aluminum ppm <1 < 1 0 < 1 Chromium ppm Molybdenum <1 1 ppm Nickel 0 ppm 0 🔲 Titanium ■<1 ppm <1 Silver 0 0 ppm Manganese ppm **-** <1 <1 Vanadium <1 <1 ppm

Variaului

Calcium         ppm         2155         2023             Magnesium         ppm         25         14             Zinc         ppm         1182         1065             Phosphorus         ppm         1005         879             Barium         ppm         0         0	ADDITIVES							
Zinc         ppm         1182         1065             Phosphorus         ppm         1005         879				2023	2155	ppm	Calcium	
Phosphorus         ppm         1005         879				14	25	ppm	Magnesium	
				1065	1182	ppm	Zinc	
Barium ppm <b>0 0</b>				879	<b>1005</b>	ppm	Phosphorus	
				0	0	ppm	Barium	
Boron ppm <b>198 9</b> 5				95	<b>198</b>	ppm	Boron	



CHADWICK-BAROSS INC

188 PERRY ROAD BANGOR, ME US 04401 Contact: MIKE MORIN mmorin@chadwick-baross.com T: (207)735-0856 F: (207)941-0856

## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLVO0007

 Unique No:
 10621108

 Signed:
 Wes Davis

 Report Date:
 28 Aug 2023

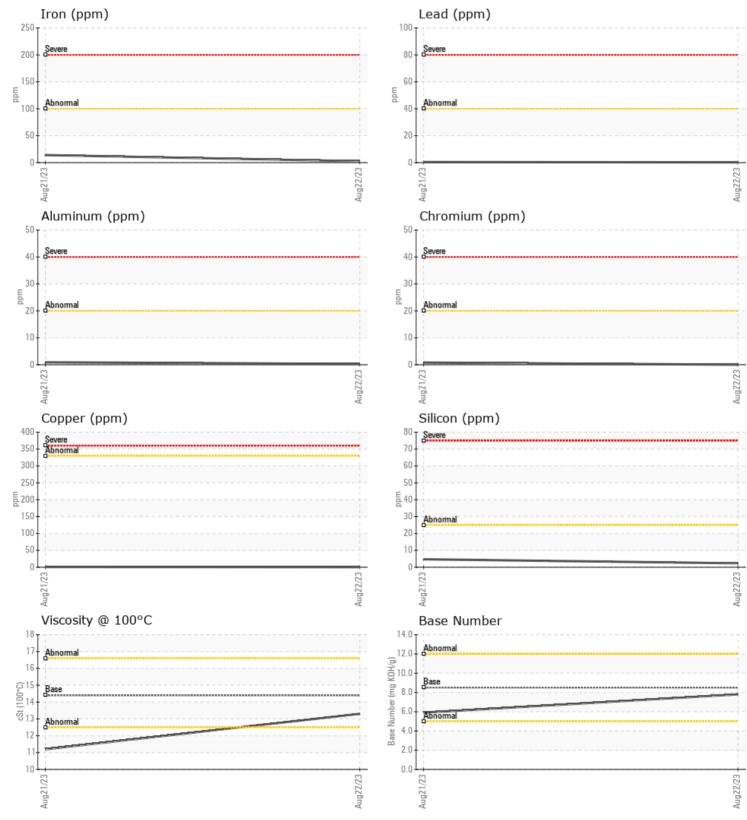
Contact/Location: MIKE MORIN - VOLVO0007

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0007 [WUSCAR] 05935837 (Generated: 08/28/2023 15:40:40) Rev: 1

Contact/Location: MIKE MORIN - VOLVO0007