

## CONSTRUCTION EQUIPMENT VOLVO SD115B 236555 - DIESEL ENGINE



### Sample No: VCP244989

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

#### Job No:

SAMPLI	E INFORMATION	l			
Sample Number		VCP244989	VCP242478	 	
Sample Date		22 Jul 2019	24 Apr 2019	 	
Machine Hours		1116	657	 	
Oil Hours		500	0	 	
Oil Changed		Changed	Changed	 	
Sample Status		NORMAL	NORMAL	 	
OIL CON	DITION				
Visc @ 100°C	cSt	13.2	12.92	 	
Oxidation (PA)	%	68	80	 	
CONTAI	MINATION				
Water	%	NEG	NEG	 	

Soot %	%	0.2	0.3	 	
Nitration (PA)	%	59	71	 	
Sulfation (PA)	%	54	58	 	
Glycol	%	NEG	NEG	 	
Fuel	%	<1.0	< 1.0	 	
Silicon	ppm	<b>1</b> 3	16	 	
Sodium	ppm	3	5	 	
Potassium	ppm	7	6	 	

### IPA AND ASSOCIATES

10149 FISHER AVENUE TAMPA, FL US 33619 Contact: ROBERT TURNER rturner@ripatampa.com T:

### Diagnosis

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 condition of the oil is acceptable for the time in service.

WEAR METALS							
Iron	ppm	<b>1</b> 9	23				
Copper	ppm	5	29				
Lead	ppm	0	2				
Tin	ppm	0	3				
Aluminum	ppm	5	7				
Chromium	ppm	5	3				
Molybdenum	ppm	48	43				
Nickel	ppm		<1				
Titanium	ppm	<1	<1				
Silver	ppm	0	<1				
Manganese	ppm	<b></b> <1	3				
Vanadium	ppm	0	0				

Variault

ADDITI	VES				
Calcium	ppm	1310	1474	 	
Magnesium	ppm	762	679	 	
Zinc	ppm	<b>1025</b>	1002	 	
Phosphorus	ppm	866	839	 	
Barium	ppm	0	0	 	
Boron	ppm	8	15	 	

 Depot:
 RIPTAM

 Unique No:
 8694301

 Signed:
 Wes Davis

 Report Date:
 08 Aug 2019

Report Id: RIPTAM [WUSCAR] 04771509 (Generated: 12/20/2023 07:53:37) Rev: 1

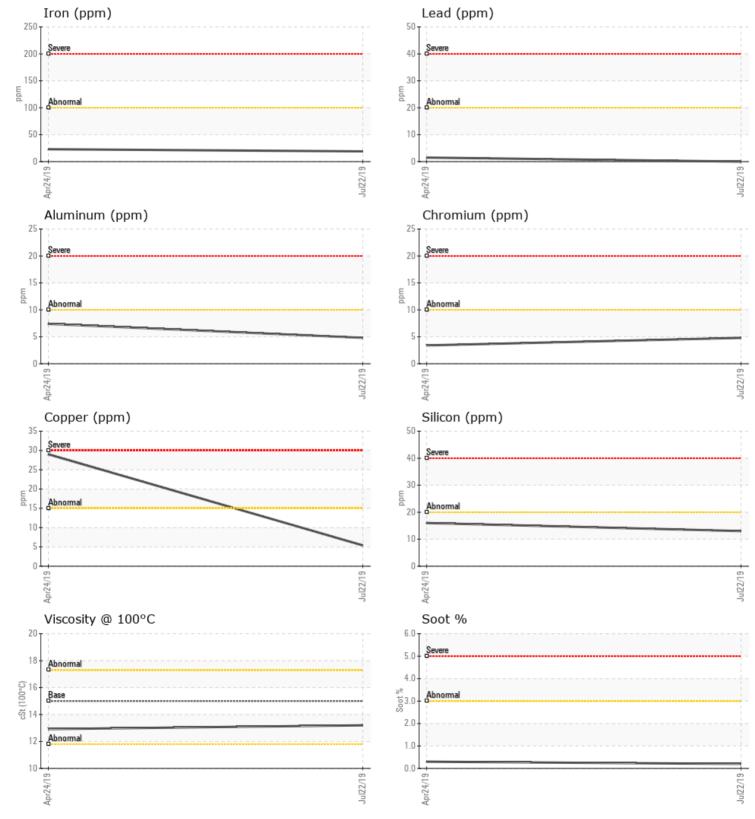
Contact/Location: ROBERT TURNER - RIPTAM

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: ROBERT TURNER - RIPTAM