

CONSTRUCTION EQUIPMENT VOLVO SD115B 236554 - DIESEL ENGINE



VCP414211 **Sample No:**

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

Job No:

Barium

Boron

VOLVO					
	NFORMATION				
Sample Number	-	VCP414211	VCP386103	VCP350271	VCP313196
Sample Date		31 Jul 2023	13 Sep 2022	01 Feb 2022	17 Jun 2021
Machine Hours		5182	4714	4168	3705
Oil Hours		0	500	500	500
Oil Changed		Changed	Changed	N/A	Changed
Sample Status		ABNORMAL	NORMAL	ABNORMAL	ATTENTION
OIL COND	ITION				
/isc @ 100°C	cSt	<u>▲</u> 11.7	12.6	▲ 11.2	<u></u> 11.6
Base Number (BN)		■9.2	11.1	7.7	
Oxidation (PA)	%	78	82	69	79
Skiddlion (17t)	70	70	02	03	7.5
VOLVO	NATION				
CONTAMI					
Water	%				0.119
Soot %	%	0.5	■0.6	□ 0.2	1
Vitration (PA)	%	81	86	75	92
Sulfation (PA)	%	58	62	59	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	△ 6.8	<1.0	<1.0	▲ 3.9
Silicon	ppm	■9	1 9	△ 33	5
Sodium	ppm	■ 0	_2	<1	2
Potassium	ppm	4	■3	5	2
VOLVO					
WEAR ME	TALS				
ron	ppm	29	□36	2 2	□20
Copper	ppm	■ 3	5	△ 323	3
Lead	ppm	-<1	- <1	- <1	- <1
Tin	ppm	1	2	3	1
Aluminum	ppm	■8	4	■3	< 1
Chromium	ppm	■ 3	4	- <1	2
Molybdenum	ppm	■ 36	42	□ 58	■53
Nickel	ppm	■ <1	0	2	- <1
Titanium	ppm	18	9	2	<1
Silver	ppm	■ 0	0	1	0
Manganese	ppm	■ <1	 <1	5	- <1
/anadium	ppm	0	0	0	0
VOLVO					
ADDITIVE	2				
Calcium	ppm	1490	1549	1818	□1296
Magnesium	ppm	487	589	378	755
Zinc	ppm	1083	1156	■ 1262	■1108
Phosphorus	ppm	■896	961	□ 1048	950
	Phili				



RIPA AND ASSOCIATES 10149 FISHER AVENUE TAMPA, FL US 33619 Contact: PM Services PMServices@ripaconstruction.com

Diagnosis

F:

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot: **RIPTAM Unique No:** 10607039 Signed: Wes Davis Report Date: 18 Aug 2023

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Contact/Location: PM Services ? - RIPTAM

ppm

ppm

2

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CONSTRUCTION EQUIPMENT





