

CONSTRUCTION EQUIPMENT VOLVO A30F 82303 - DIESEL ENGINE



Sample No: VCP411548

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

Job No:

Phosphorus

Barium

Boron

	NFORMATION				
Sample Number		VCP411548	VCP390245	VCP299456	VCP266206
Sample Date		11 Aug 2023	28 Dec 2022	13 May 2021	25 Apr 2020
Machine Hours		12173	11500	10638	10182
Oil Hours		500	500	500	500
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		ABNORMAL	NORMAL	ABNORMAL	NORMAL
Sample Status		ADNORIVIAL	NORIVIAL	ADNORIVIAL	NORMAL
VOLVO					
VIL CONDI	TION				
Visc @ 100°C	cSt	11.5	12.2	<u> </u>	11.8
Base Number (BN)	mg KOH/g	8.7	7.7		
Oxidation (PA)	%	68	48	80	63
VOLVO					
Contamii	NATION				
Soot %	%	0.2	0.1	0.3	0.5
Nitration (PA)	%	68	58	74	87
Sulfation (PA)	%	55	46	64	58
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	A 3.6	<1.0	1.7	< 1.0
Silicon	ppm	9	5	8	8
Sodium	ppm	6 9	5	14	16
Potassium	ppm	 162	8	11	8
VOLVO	TALC				
VEAR ME	IALS				
ron	ppm	24	4	22	20
Copper	ppm	3	<1	8	6
_ead	ppm	■ <1	< 1	2	<1
Tin	ppm		□ <1	1	 <1
Aluminum	ppm	1 0	2	11	13
Chromium	ppm	 <1	0	□ <1	 <1
Molybdenum	ppm	73	78	42	10
Nickel	ppm	<1	0	1	2
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	□ <1	□ <1	□ <1	<1
/anadium	ppm	<1	0	0	0
	PPIII		v	U U	Ū
VOLVO					
V ADDITIVE	2				
Calcium	ppm	1646	1898	1528	1266
Magnesium	ppm	545	214	580	608
Zinc	ppm	1138	1158	1055	721
-	I F F	=			

981

0

66

938

0

37

642

0

23



RIPA AND ASSOCIATES

10149 FISHER AVENUE TAMPA, FL US 33619 Contact: PM Services PMServices@ripaconstruction.com T: E-

Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels are high. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

 Depot:
 RIPTAM

 Unique No:
 10609124

 Signed:
 Jonathan Hester

 Report Date:
 22 Aug 2023

960

0 🔲

20

ppm

ppm

ppm

Contact/Location: PM Services ? - RIPTAM

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

