

CONSTRUCTION EQUIPMENT VOLVO A40G 341228 - DIESEL ENGINE



Sample No: VCP447778

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

Job No: 717807

VOLVO	INFORMATION				
	INFURMATION	·			-
Sample Number		VCP447778	VCP396906	VCP384826	VCP373398
Sample Date		04 Jun 2024	29 Dec 2022	04 Sep 2022	25 Jul 2022
Machine Hours		11401	9883	9463	4984
Oil Hours		500	500	500	500
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		ABNORMAL	NORMAL	NORMAL	NORMAL
OIL CON	DITION				
Visc @ 100°C	cSt	12.1	1 2.6	12.3	12.66
Base Number (BN	l) mg KOH/g	■4.9	9.3	□ 10.1	□10.2
Oxidation (PA)	%	81	57	65	64
	, 0	•.	· .		
VOLVO					
CONTAM	IINATION				
Water	%	NEG	NEG	NEG	NEG
Soot %	%	■ 0.4	0.1	□ 0.2	□0.1
Vitration (PA)	%	99	63	73	62
Sulfation (PA)	%	66	50	57	56
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	■2.1	<1.0	<1.0	<1.0
Silicon	ppm	■ 4	1 4	1 3	1 3
Sodium	ppm	6	<1	0	2
Potassium	ppm	■<1	1 2	2	□ <1
	ρρ				
VOLVO					
WEAR M	IETALS				
ron	ppm	16	4	4	4
Copper	ppm	△ 37	- <1	< 1	1
Lead	ppm	2	2	- <1	 <1
Tin	ppm	0	- <1	- <1	- <1
Aluminum	ppm	2	<u></u> <1	- <1	 <1
Chromium	ppm		- <1	O	0
Molybdenum	ppm	50	□ 61	<u>58</u>	<u></u> 58
Nickel	ppm	□0	- <1	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	■ 0	0	□0	<1
Manganese	ppm	■<1	□ <1	□ <1	1 <1
Vanadium	ppm	0	0	0	0
	ър		ű	Ü	Ü
VOLVO					
ADDITIV	FZ				
Calcium	ppm	1158	□1208	1135	□1107
		_			

1049

1393

1103

0

1135 899

1221

■ 1020

2

6

897

1225

1011

0

6



BLAZE CONSTRUCTION

5640 ST JEAN ST DETROIT, MI US 48213 Contact: DAVE WARD dward@blazecontracting.net T: (248)632-2317 F:

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. The copper level is abnormal. All other component wear rates are normal. Fuel content negligible. 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.

Depot: **BLADET Unique No:** 11087220 Signed: Don Baldridge **Report Date:** 21 Jun 2024

Contact/Location: DAVE WARD - BLADET

794

1073

■836

0

6

ppm

ppm

ppm

ppm

ppm

Magnesium

Phosphorus

Zinc

Barium

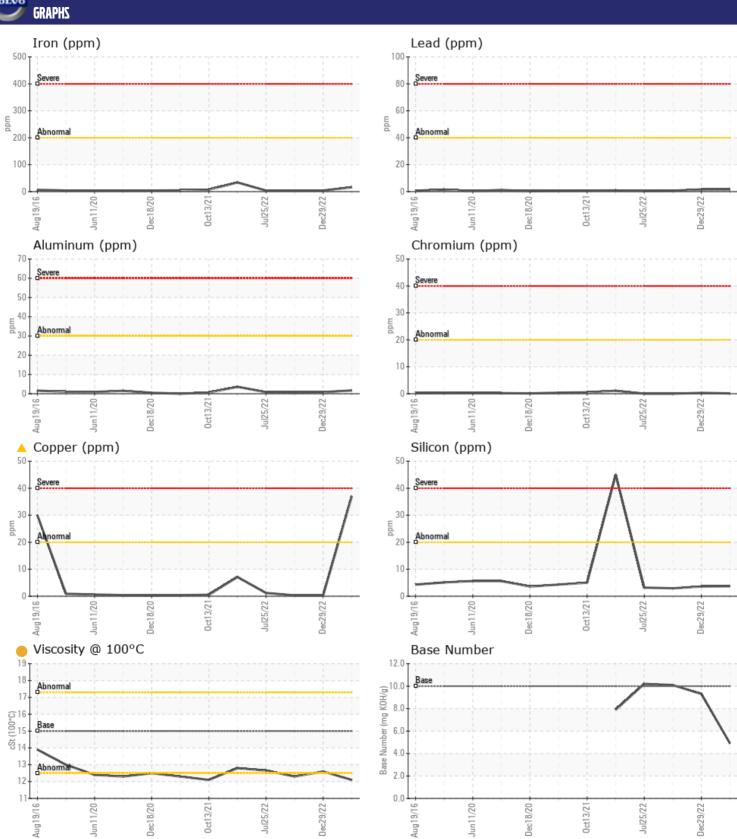
Boron



CONSTRUCTION EQUIPMENT







Report Id: BLADET [WUSCAR] 06214356 (Generated: 06/21/2024 12:38:10) Rev: 1

Contact/Location: DAVE WARD - BLADET