

CONSTRUCTION EQUIPMENT VOLVO A45G 352896 - DIESEL ENGINE



Sample No: VCP143837 Oil Type: {unknown}

Job No:

VOLVO					
SAMPLE II	NFORMATION				
Sample Number		VCP143837	VCP141068	VCP150383	
Sample Date		27 Mar 2024	01 Jun 2022	09 Feb 2022	
Machine Hours		2619	1051	503	
Oil Hours		611	522	503	
Oil Changed		Changed	Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL	
OIL CONDI	TION				
			<u> </u>		
Visc @ 100°C	cSt	12.4	12.5	10.5	
Base Number (BN)	mg KOH/g	6.7	■6.8	6.7	
Oxidation (PA)	%	51	43	60	
CONTAMI	ΝΔΤΙΩΝ				
_		NIEC	NEC	NEC	
Water	%	NEG	NEG	NEG	
Soot %	%	■0.4	0.2	0.3	
Nitration (PA)	%	68	67	91	
Sulfation (PA)	%	52	51	56	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	□ 0.2	
Silicon	ppm	6	1 1	■31	
Sodium	ppm	2	1	0	
Potassium	ppm	■<1	0	0	
VOLVO					
WEAR ME	ZIAT				
_	-	= 10		. = 20	
Iron	ppm	18	13	28	
Copper	ppm	■15	△ 607	<u>412</u>	
Lead	ppm	0	6	5	
Tin	ppm	3	2	5	
Aluminum	ppm	2	2	2	
Chromium	ppm	1	□ <1 □ 10 □ 10	□ <1	
Molybdenum	ppm	44	1 9	■86	
Nickel	ppm	<u> 14</u>	2	3	
Titanium	ppm	<1	<1	<1	
Silver	ppm	■0	= <1	0	
Manganese	ppm	1	<1	2	
Vanadium	ppm	<1	0	0	
VOLVO					
ADDITIVE	7				
_		T 1572	T 2104	III 2270	
Calcium	ppm	■ 1572 ■ 611	□2194 □ 255	2270	
Magnesium	ppm	611	□ 55 □ 1093	40	
Zinc	ppm	1130	1082	1165	
Phosphorus	ppm	■970	■881	□985	

0

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GLOVER CONSTRUCTION CO. INC.

4493 US HWY 301 N PLEASANT HILL, NC US 27866 Contact: BRENDA GAY bgay@gloverconstruction.com T: F: (252)536-5078

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Valve wear is indicated. 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: **GLOPLE** Unique No: 11008791 Signed: Jonathan Hester Report Date: 06 May 2024

Contact/Location: BRENDA GAY - GLOPLE

ppm

ppm

Barium

Boron

0

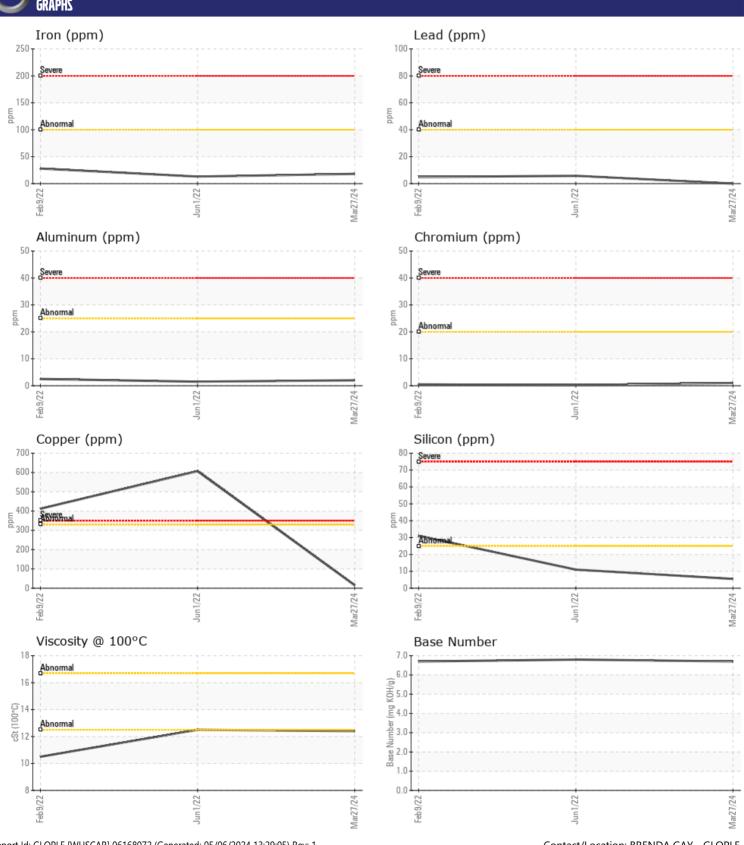
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CONSTRUCTION EQUIPMENT







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Contact/Location: BRENDA GAY - GLOPLE