

CONSTRUCTION EQUIPMENT VOLVO A45G 752042 - DIESEL ENGINE



Sample No: VCP436663

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

Job No:

	INFORMATION				
Sample Number		VCP436663	VCP439075		
Sample Date		24 Apr 2024	29 Dec 2023		
Machine Hours		1720	1025		
Dil Hours		0	0		
Dil Changed		Changed	Changed		
Sample Status		ATTENTION	NORMAL		
VOLVO					
V OIL COND					
/isc @ 100°C	cSt	12.2	12.1		
Base Number (BN)		9.0	7.8		
Dxidation (PA)	%	76	57		
VOLVO					
CONTAMI	INATION				
Water	%	NEG	NEG		
Soot %	%	0.3	0.3		
Nitration (PA)	%	63	55		
Sulfation (PA)	%	60	54		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	0.6		
Silicon	ppm	8	8		
Sodium	ppm	4	1		
Potassium	ppm	2	0		
		_	—		
VOLVO	TALC				
VEAR MI			<u> </u>	-	-
ron	ppm	15	9		
Copper	ppm	22	65		
		4	<1		
ead	ppm	■<1			
Tin	ppm ppm	2	2		
Fin Aluminum		2 2	2 1		
Fin Aluminum Chromium	ppm ppm ppm	□2 □2 □<1	2 1		
Fin Aluminum Chromium Molybdenum	ppm ppm ppm ppm	□2 □2 □<1 □59	2 1 1 <1 63		
Fin Aluminum Chromium Molybdenum Nickel	ppm ppm ppm ppm ppm	2 2 <1 59 3	2 1 1 63 <1		
Fin Aluminum Chromium Molybdenum Nickel Fitanium	ppm ppm ppm ppm ppm ppm	2 2 <1 59 3 <1	2 1 1 63 <1		
Tin Aluminum Chromium Molybdenum Vickel Titanium Silver	ppm ppm ppm ppm ppm ppm	2 2 3 59 3 <1 0	2 1 63 (1) (1) (1) (1) (1) (1) (1) (1)	 	
Tin Aluminum Chromium Molybdenum Vickel Titanium Silver Manganese	ppm ppm ppm ppm ppm ppm ppm	2 2 59 3 <1 0 (1) 2 59	2 1 63 (1 (1 (1) (1) (1) (1) (1) (1)		
Tin Aluminum Chromium Molybdenum Vickel Titanium Silver	ppm ppm ppm ppm ppm ppm	2 2 3 59 3 <1 0	2 1 63 (1) (1) (1) (1) (1) (1) (1) (1)	 	
Tin Aluminum Chromium Molybdenum Vickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm	2 2 59 3 <1 0 (1) 2 59	2 1 63 (1 (1 (1) (1) (1) (1) (1) (1)	 	
Tin Aluminum Chromium Molybdenum Vickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm ppm	2 2 59 3 <1 0 (1) 2 59	2 1 63 (1 (1 (1) (1) (1) (1) (1) (1)	 	
Tin Aluminum Chromium Molybdenum Vickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	2 2 59 3 <1 0 2 1 <1	2 1 <pre> 1 </pre>		
Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese /anadium Canadium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	2 2 59 3 <1 0 <1 <1 <1 2126	2 1 <pre> 1 </pre>		
Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese Vanadium Calcium Magnesium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	2 2 3 59 3 <1 0 <1 <1 <1 2126 612	2 1 <pre> 1 </pre>		
Tin Aluminum Chromium Molybdenum Vickel Titanium Silver Manganese Vanadium Calcium Calcium Magnesium Zinc	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	2 2 3 4 59 3 4 0 4 1 59 3 4 1 59 59 59 59 59 59 59 59 59 59	2 1 3 4 5 63 5 5 63 5 7 1 63 5 7 1 63 5 7 1 63 5 7 1 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1		
Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese Vanadium Calcium Magnesium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	2 2 3 59 3 <1 0 <1 <1 <1 2126 612	2 1 <pre> 1 </pre>		



ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL US 33905 Contact: TODD LARK tlark@altaequipfl.com T: F: (239)481-3302

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO0090

 Unique No:
 11004821

 Signed:
 Don Baldridge

 Report Date:
 01 May 2024

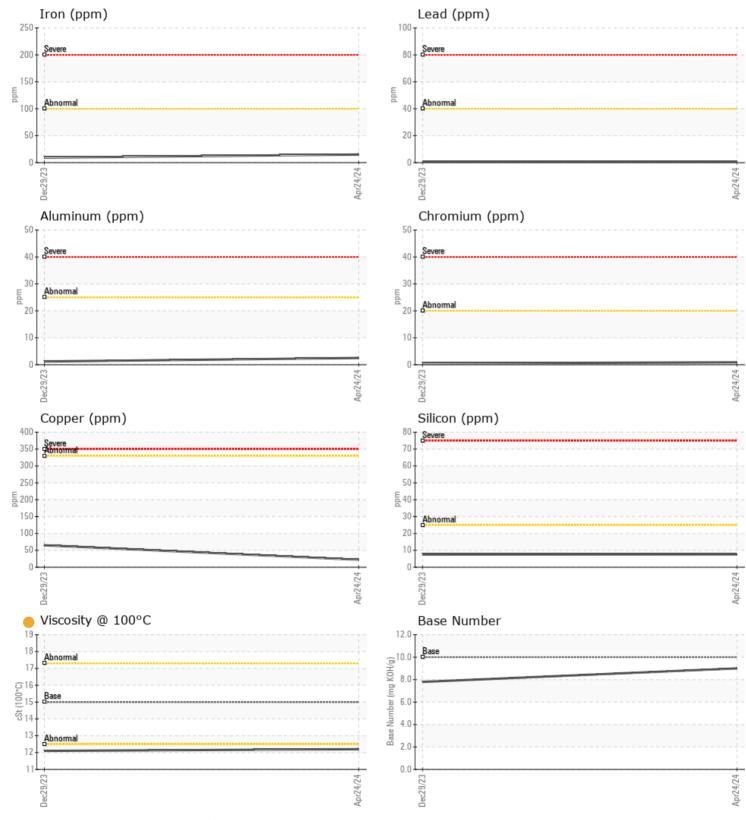
Contact/Location: TODD LARK - VOLVO0090

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 06164102 (Generated: 05/03/2024 16:05:56) Rev: 1

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