

# CONSTRUCTION EQUIPMENT VOLVO A45G 353274 - DIESEL ENGINE



### Sample No: VCP439072

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

#### Job No:

	FORMATION				
Sample Number		VCP439072	VCP397663	 	
Sample Date		18 Jan 2024	18 Sep 2023	 	
Machine Hours		3045	2337	 	
Oil Hours		0	0	 	
Oil Changed		Changed	Changed	 	
Sample Status		NORMAL	ATTENTION	 	
Sample Status		NORMAL	ATTENTION	 	
OIL CONDI	TION				
Visc @ 100°C	cSt	12.2	11.9	 	
Base Number (BN)		9.1	8.2	 	
Oxidation (PA)	%	79	77	 	
	70	75	11	 	
VOLVO					
🤍 Contamin	IATION				
Water	%	NEG	NEG	 	
Soot %	%	0.4	0.6	 	
Nitration (PA)	%	65	70	 	
Sulfation (PA)	%	60	60	 	
Glycol	%	NEG	NEG	 	
Fuel	%	<1.0	▲ 2.1	 	
Silicon	ppm	4	5	 	
Sodium	ppm	2	2	 	
Potassium	ppm	 <b>_</b> <1	1	 	
	le le				
WEAR ME	TAIS				
Iron		7	13	 	
	ppm	<b>7</b>	16	 	
Copper Lead	ppm			 	
Tin	ppm	<b>□</b> <1	<1		
	ppm	■<1	2		
Aluminum	ppm	<b>1</b>	<1	 	
Chromium	ppm	■ <1	□ <1	 	
Molybdenum	ppm	<b>4</b> 7	49	 	
Nickel	ppm	2	3	 	
Titanium	ppm	0	0	 	
Silver	ppm	0	0	 	
Manganese	ppm	0	□ <1	 	
Vanadium	ppm	<1	0	 	
		1500	<b>1024</b>		1
Calcium	ppm	1580	1824	 	
Magnesium	ppm	<b>487</b>	533	 	
Zinc	ppm	1047	1136	 	
Phosphorus	ppm	892	904	 	
Barium	ppm	0	0	 	
Boron	ppm	30	20	 	



#### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO0090

 Unique No:
 10843060

 Signed:
 Sean Felton

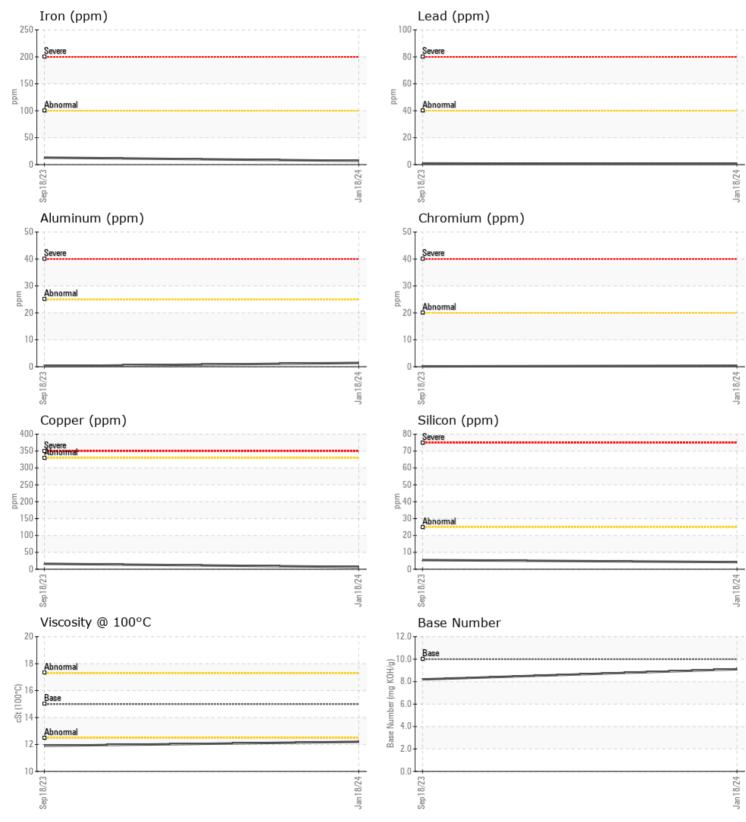
 Report Date:
 23 Jan 2024

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO0090 [WUSCAR] 06066383 (Generated: 01/23/2024 15:47:24) Rev: 2

Contact/Location: TODD LARK - VOLVO0090