

# CONSTRUCTION EQUIPMENT VOLVO A45G 353457 - DIESEL ENGINE



### Sample No: VCP430570

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

#### Job No:

VOLVO					
SAMPLE II	FORMATION				
Sample Number	-	VCP430570		 	
Sample Date		29 Jan 2024		 	C
Machine Hours		0		 	F
Oil Hours		0		 	Ν
Oil Changed		Changed		 	ι
Sample Status		ABNORMAL		 	(
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OIL CONDI					Т
		A 10.1	<u>.</u>	 	F
Visc @ 100°C	cSt	▲ 12.1		 	
Base Number (BN)		8.8		 	I
Oxidation (PA)	%	76		 	
VOLVO					
Contamin	NATION				
Water	%	NEG		 	
Soot %	%	0.3		 	
Nitration (PA)	%	63		 	
Sulfation (PA)	%	61		 	
Glycol	%	NEG		 	
Fuel	%	0.6		 	
Silicon	ppm	11		 	
Sodium	ppm	<b>4</b>		 	
Potassium		0		 	
rotassium	ppm				
VOLVO					
🤍 💓 WEAR ME	TALS				
Iron	ppm	13		 	
Copper	ppm	63		 	
Lead	ppm	■<1		 	
Tin	ppm	2		 	
Aluminum	ppm	2		 	
Chromium	ppm			 	
Molybdenum	ppm	50		 	
Vickel	ppm	<b>8</b>		 	
Titanium	ppm	<1		 	
Silver	ppm	0		 	
Manganese	ppm	1		 	
Vanadium	ppm	<1		 	
VOLVO	-				
ADDITIVE:	7				
Calcium	ppm	1741		 	
Magnesium	ppm	428		 	
Zinc	ppm	1126		 	
Phosphorus	ppm	955		 	
Barium	ppm	□ <1		 	0
Boron	ppm	<b>41</b>		 	ι



#### COWIN EQUIPMENT COMPANY

P.O. DRAWER 9367 MONTGOMERY, AL JS 36108 Contact: BRYAN DICKS odicks@cowin.com T: (334)262-6642 T: (334)269-1514

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.The nickel 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:
 VOLV08532

 Unique No:
 10871879

 Signed:
 Jonathan Hester

 Report Date:
 13 Feb 2024

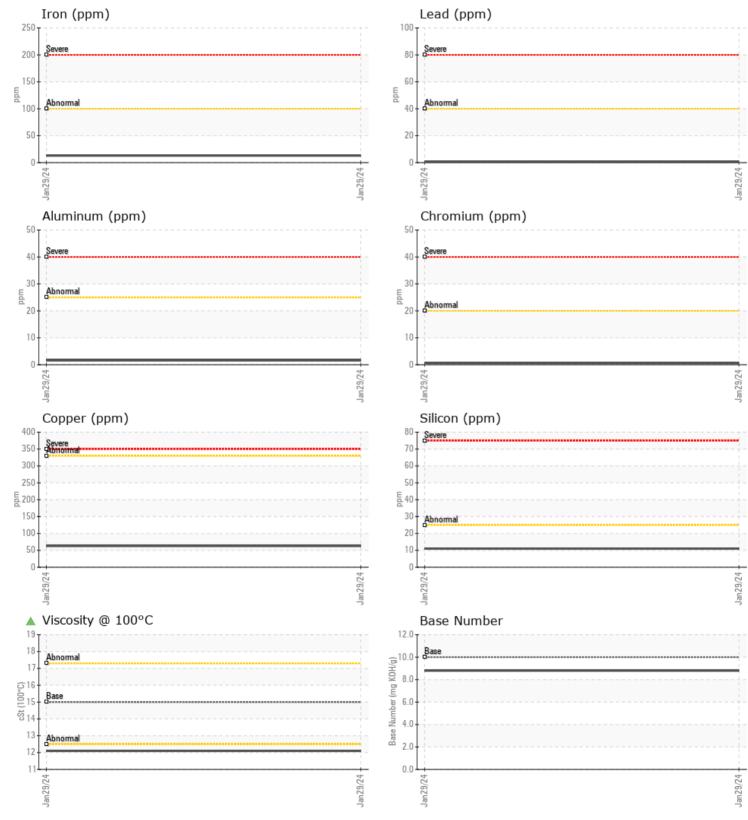
Contact/Location: BRYAN DICKS - VOLVO8532

# **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO8532 [WUSCAR] 06084434 (Generated: 02/13/2024 10:28:43) Rev: 1

Contact/Location: BRYAN DICKS - VOLVO8532