

## CONSTRUCTION EQUIPMENT VOLVO A30G 753363 - DIESEL ENGINE



Sample No: VCP430273

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

Job No:

VOLVO				
SAMPLE IN	NFORMATION			
Sample Number	-	VCP430273	VCP408521	 
Sample Date		02 Nov 2023	02 Jun 2023	 
Machine Hours		751	0	 
Oil Hours		0	0	 
Oil Changed		Changed	Changed	 
Sample Status		ATTENTION	ABNORMAL	 
OIL CONDI	TION			
Visc @ 100°C	cSt	<b>12.2</b>	<b>1</b> 0.9	 
Base Number (BN)		9.5	6.9	 
Oxidation (PA)	%	77	56	 
Oxidation (PA)	70	11	50	 
VOLVO				
CONTAMIN	ATION			
Water	%	NEG	NEG	 
Soot %	%	■ 0.2	■0.2	 
Nitration (PA)	%	62	72	 
Sulfation (PA)	%	60	52	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	1.0	 
Silicon	ppm	<b>10</b>	<u>4</u> 0	 
Sodium	ppm	<b>2</b>	0	 
Potassium	ppm	■0	<b>4</b>	 
	PP		_	
VOLVO	TALC			
WEAR ME	I ALS	_		
Iron	ppm	■11	<b>1</b> 7	 
Copper	ppm	■25	<b>4</b> 96	 
Lead	ppm	<b>■</b> 0	<b></b>	 
Tin	ppm	<b>2</b>	2	 
Aluminum	ppm	<b>1</b>	<b></b>	 
Chromium	ppm	<b>■&lt;1</b>	<b>-</b> <1	 
Molybdenum	ppm	<b>■</b> 50	■82	 
Nickel	ppm	<b>1</b>	<b>-</b> <1	 
Titanium	ppm	<1	<1	 
Silver	ppm	<b>■&lt;1</b>	<b>1</b>	 
Manganese	ppm	<b>1</b>	<b>4</b>	 
Vanadium	ppm	<1	0	 
ADDITIVES				
Calcium	ppm	<b>1700</b>	<b>2122</b>	 
Magnesium	ppm	<b>452</b>	49	 
Zinc	ppm	<b>1118</b>	□ 1140	 
Phosphorus	ppm	949	972	 
Barium	ppm	■0	<b>0</b>	 
Boron	ppm	<b>51</b>	<b>6</b> 5	 
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## **COWIN EQUIPMENT COMPANY**

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## 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:VOLVO8532Unique No:10871887Signed:Don BaldridgeReport Date:12 Feb 2024



## **CONSTRUCTION EQUIPMENT**





