

# CONSTRUCTION EQUIPMENT SW-22549-2 VOLVO EC355 314020 - DIESEL ENGINE



Sample No: VCP406960

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

**Job No:** SW-22549-2

SAMPLE	INFORMATION			
Sample Number		VCP406960	 	
Sample Date		19 Aug 2023	 	
Machine Hours		2708	 	
Oil Hours		475	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
Sumple Status		, ibitottinite		
VOLVO	NITION			
OIL COND	JITIUN			
Visc @ 100°C	cSt	<b>12.2</b>	 	
Base Number (BN	) mg KOH/g	■8.8	 	
Oxidation (PA)	%	62	 	
CONTAM	ΙΝΔΤΙΩΝ			
	<del>.</del>	·		
Soot %	%	■ 0.1	 	
Nitration (PA)	%	61	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<b>▲ 3.1</b>	 	
Silicon	ppm	<b>4</b>	 	
Sodium	ppm	<b>2</b>	 	
Potassium	ppm	<b>■</b> <1	 	
VOLVO				
WEAR M	ETALS			
Iron	ppm	<b>5</b>	 	
Copper	ppm	■9	 	
Lead	ppm	<b>■</b> <1	 	
Tin	ppm	<b>-</b> <1	 	
Aluminum	ppm	<b>1</b>	 	
Chromium	ppm		 	
Molybdenum	ppm	<b>■</b> 59	 	
Nickel	ppm	<b>0</b>	 	
Titanium	ppm	<1	 	
Silver	ppm	<b>■</b> <1	 	
Manganese		<b>■ &lt;1</b>	 	
Vanadium	ppm	<1	 	
	pp			
ADDITIV	ES			
Calcium	ppm	<b>1207</b>	 	
Magnesium	ppm	949	 	
Zinc	ppm	<b>1208</b>	 	
Phosphorus	ррт	994	 	
Barium	ppm	<b>0</b>	 	
Dallulli	ррпі		 	



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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. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot:VOLVO8770Unique No:10608034Signed:Jonathan HesterReport Date:22 Aug 2023

Contact/Location: TJ LARK - VOLVO8770

ppm

Boron



## **CONSTRUCTION EQUIPMENT**





