**CONSTRUCTION EQUIPMENT** SPM621856 BIRCH TREE VOLVO L35GS 3424258 - DIESEL ENGIN

Sample No: VCP431455 **Oil Type:** Job No:

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SPM621856 BIRCH TREE

## SAMPLE INFORMATION

VOLVO

Sample Number		VCP431455	VCP365023	 
Sample Date		31 Oct 2023	09 Aug 2022	 
Machine Hours		2637	1702	 
Oil Hours		500	0	 
Oil Changed		Changed	Changed	 
Sample Status		NORMAL	NORMAL	 
OIL CONDI	TION			
	-			
Visc @ 100°C	cSt	<b>13.7</b>	14.6	 
Base Number (BN)	mg KOH/g	8.1	9.8	 
Oxidation (PA)	%	88	125	 
CONTAMIN				
	-		- · · ·	
Soot %	%	∎0.1	0.1	 
Nitration (PA)	%	92	122	 
Sulfation (PA)	%	60	73	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	< 1.0	 
Silicon	ppm	5	6	 
Sodium	ppm	0	<b>1</b>	 
Potassium	ppm	2	2	 



## ALTA CONSTRUCTION EQUIPMENT LLC

G-3283 S. DORT HIGHWAY BURTON, MI US 48529 Contact: BURTON SERVICE BURTON.SERVICE@ALTAEQUIPMENT.COM T: F:

## Diagnosis

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 suitable for further service.

Potassium 

WEAR	METALS			
Iron	_	7	13	 
Copper	ppm ppm	<b>■</b> /	2	 
Lead	ppm	■<1	0	 
Tin	ppm	0	□ <1	 
Aluminum	ppm	2	2	 
Chromium	ppm		<b></b> <1	 
Molybdenum	ppm	59	40	 
Nickel	ppm	<b></b> <1	0	 
Titanium	ppm	<1	0	 
Silver	ppm	0	0	 
Manganese	ppm	<b></b> <1	<b></b> < 1	 
Vanadium	ppm	0	0	 

Calcium	ppm	1332	1756			
Magnesium	ppm	818	455			
Zinc	ppm	1224	1094			
Phosphorus	ppm	<b>1122</b>	910			
Barium	ppm	5	<1			
Boron	ppm	<b>1</b> 3	<b>4</b> 9			

Depot: VOLVO5023 Unique No: 10728565 Signed: Wes Davis Report Date: 07 Nov 2023

Report Id: VOLVO5023 [WUSCAR] 06000205 (Generated: 11/07/2023 16:32:29) Rev: 1

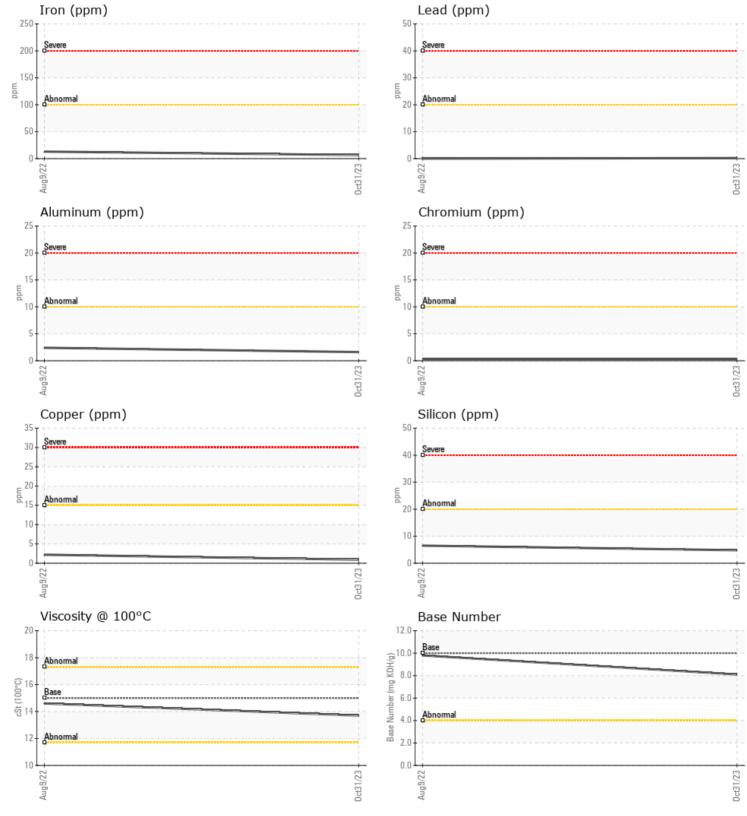
Contact/Location: BURTON SERVICE - VOLVO5023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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