CONSTRUCTION EQUIPMENT 10654 VOLVO EC300EL 310989 - DIESEL ENGINE



Sample No: VCP412030

VOLVO

Oil Type:	VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:	10654

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SAMPLE INFORMATION

Sample Number		VCP412030	VCP341014	
Sample Date		14 Aug 2023	01 Nov 2021	
Machine Hours		4798	4200	
Oil Hours		0	0	
Oil Changed		Changed	N/A	
Sample Status		NORMAL	SEVERE	
OIL CONDIT	FION			
Visc @ 100°C	cSt	13.3	13.6	
Base Number (BN)	mg KOH/g	■7.1		
Oxidation (PA)	%	36	54	
CONTAMIN	IATION			
Soot %	%	0	0.2	
Nitration (PA)	%	38	71	
Sulfation (PA)	%	41	58	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	



HOFFMAN EQUIPMENT - LIONVILLE

120 GORDON DRIVE LIONVILLE, PA US 19341 Contact: JIM FEHR jim.fehr@hoffmanequip.com T: (610)363-9200 F: (610)594-0829

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

ppm

ppm

ppm

Silicon

Sodium

WEAR I	METALS			
Iron	ppm	2	4 5	
Copper	ppm		939	
Lead	ppm	0	11	
Tin	ppm	0	4	
Aluminum	ppm	2	🔺 11	
Chromium	ppm		<1	
Molybdenum	ppm	18	15	
Nickel	ppm		<1	
Titanium	ppm	<1	<1	
Silver	ppm	0	<1	
Manganese	ppm	□<1	< 1	
Vanadium	ppm	0	0	

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Variaului

ADDITIVES					
Calcium	ppm	1711	2461		
Magnesium	ppm	222	227		
Zinc	ppm	969	1247		
Phosphorus	ppm	807	927		
Barium	ppm	0	0		
Boron	ppm	15	15		

 Depot:
 VOLV08879

 Unique No:
 10606500

 Signed:
 Wes Davis

 Report Date:
 17 Aug 2023

Report Id: VOLVO8879 [WUSCAR] 05926553 (Generated: 08/17/2023 16:30:35) Rev: 1

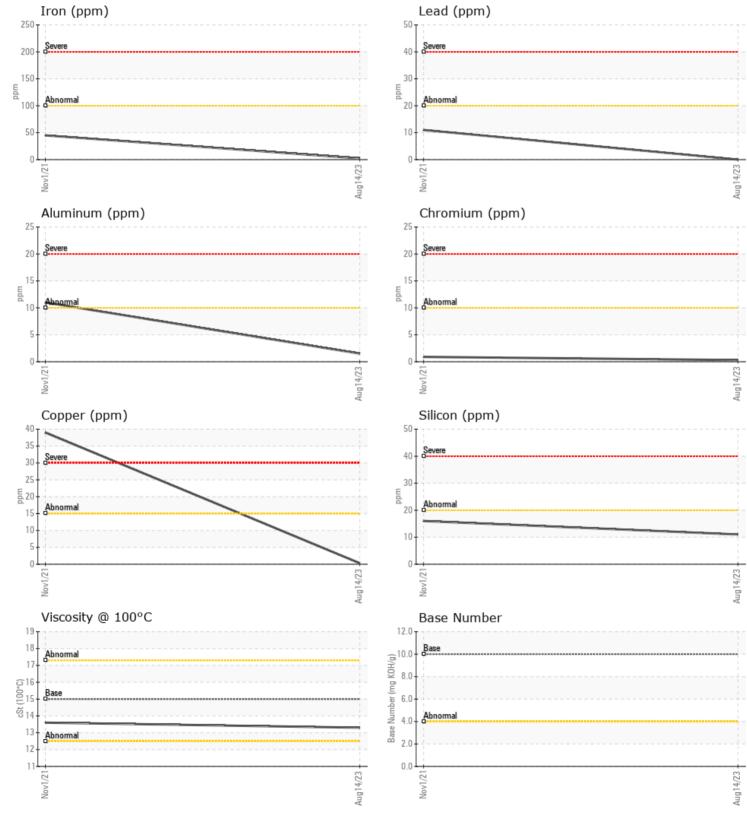
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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Contact/Location: JIM FEHR - VOLVO8879