CONSTRUCTION EQUIPMENT W05003895 VOLVO EC300 316329 - DIESEL ENGINE

Sample No:	VCP425215		
Oil Type:	MOBIL 15W40		
Job No:	W05003895		

VOLVO

SAMPLE INFORMATION

Sample Number	-	VCP425215	VCP395359	
Sample Date		09 Oct 2023	22 Mar 2023	
Machine Hours		1969	1538	
Oil Hours		500	500	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	ABNORMAL	
OIL COND	ITION			
Visc @ 100°C	cSt	12.9	13.5	
Base Number (BN)	mg KOH/g	7.5	8.6	
Oxidation (PA)	%	67	65	
CONTAMI	NATION			
Soot %	%	0.1	0.1	
Nitration (PA)	%	64	71	
Sulfation (PA)	%	63	61	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	6	6	
Sodium	ppm	3	 < 1	
Potassium	ppm	■ <1	4	

VOLVO

WEAR M	IETALS			
Iron	ppm	6	6	
Copper	ppm	1 3	▲ 65	
Lead	ppm	0	0	
Tin	ppm	0	0	
Aluminum	ppm	4	2	
Chromium	ppm		0	
Molybdenum	ppm	143	251	
Nickel	ppm		0	
Titanium	ppm	<1	0	
Silver	ppm		 <1	
Manganese	ppm	■ <1	<1	
Vanadium	ppm	<1	0	

Calcium ppm Magnesium ppm	□ 1511	1585	
Magnesium ppm	E 6 4 0		
ppin	049	907	
Zinc ppm	821	1248	
Phosphorus ppm	693	961	
Barium ppm	0	0	
Boron ppm	257	242	



MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS 8450 QUARRY ROAD MANASSAS, VA

MAINASSAS, VA US 20110 Contact: MIKE MAYHUGH MMAYHUGH@MCCLUNG-LOGAN.COM T: (703)393-7344 F: (703)393-7844

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.

 Depot:
 VOLVO002

 Unique No:
 10696518

 Signed:
 Don Baldridge

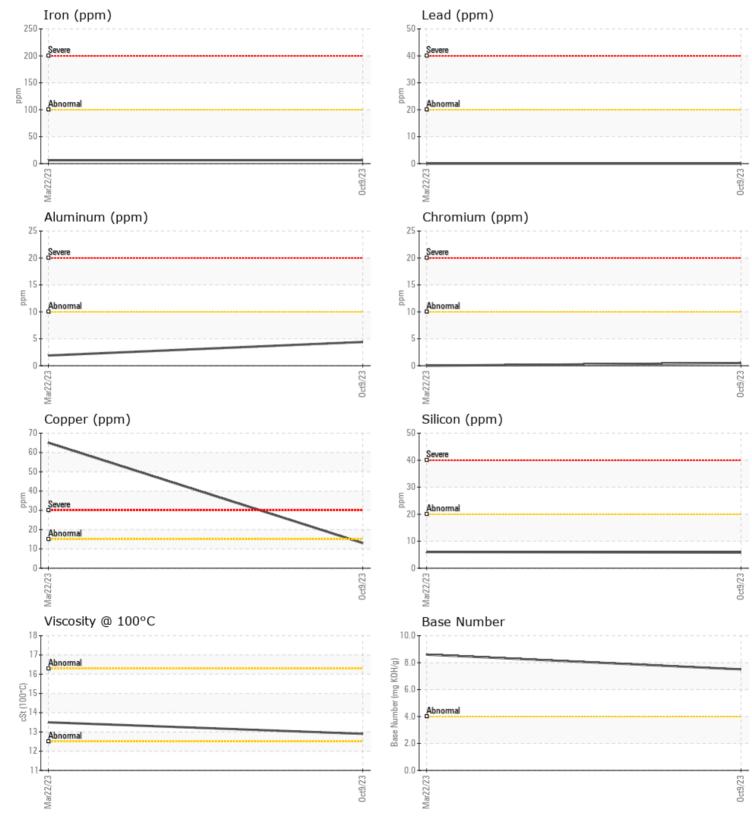
 Report Date:
 17 Oct 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0002 [WUSCAR] 05979223 (Generated: 10/27/2023 05:11:58) Rev: 1

Contact/Location: MIKE MAYHUGH - VOLVO0002