CONSTRUCTION EQUIPMENT W0229495 VOLVO A40G 353250 - DIESEL ENGINE



 Sample No:
 VCP428861

 Oil Type:
 SHELL 15W40

 Job No:
 W0229495

VOLVO

SAMPLE INFORMATION

	FORMATION			
Sample Number	-	VCP428861	VCP05895846	
Sample Date		22 Nov 2023	29 Jun 2023	
Machine Hours		2601	1867	
Oil Hours		17	30	
Oil Changed		N/A	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	14.1	14.1	
Base Number (BN)	mg KOH/g	8.3	8.4	
Oxidation (PA)	%	37	38	
CONTAMIN	IATION			
Water	%	NEG	NEG	
Soot %	%	0.1	0.1	
Nitration (PA)	%	47	47	
Sulfation (PA)	%	43	44	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	4	2	
Sodium	ppm	10	 <1	
Potassium	ppm	3	3	
WEAR MET	TALS			
Iron	ppm	■ <1	0	
Copper	ppm	2	0	
Lead	ppm	□ <1	0	
Tin	ppm	■ <1	0	
Aluminum	ppm	1	6	
Chromium	ppm	0	0	



ROMCO INC

1350 NE LOOP 820 FORT WORTH, TX US 76106 Contact: CHRIS BITNER CBitner@romco.com T: F: (817)626-8983

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.

WEAR M	ETALS				
Iron	ppm	 <1	0	 	
Copper	ppm	2	0	 	
Lead	ppm	 <1	0	 	
Tin	ppm	 <1	0	 	
Aluminum	ppm	1	6	 	
Chromium	ppm	0	0	 	
Molybdenum	ppm	8	10	 	
Nickel	ppm	0	0	 	
Titanium	ppm	0	0	 	
Silver	ppm	0	0	 	
Manganese	ppm	0	0	 	
Vanadium	ppm	<1	0	 	
ADDITIV	ES				
Calcium	ppm	2146	2588	 	

Calcium	ppm	2146	2588	
Magnesium	ppm	34	84	
Zinc	ppm	1055	1279	
Phosphorus	ppm	950	1098	
Barium	ppm	0	12	
Boron	ppm	1 4	27	

Depot: VOLVO081 Unique No: 10763889 Signed: Wes Davis Report Date: 29 Nov 2023

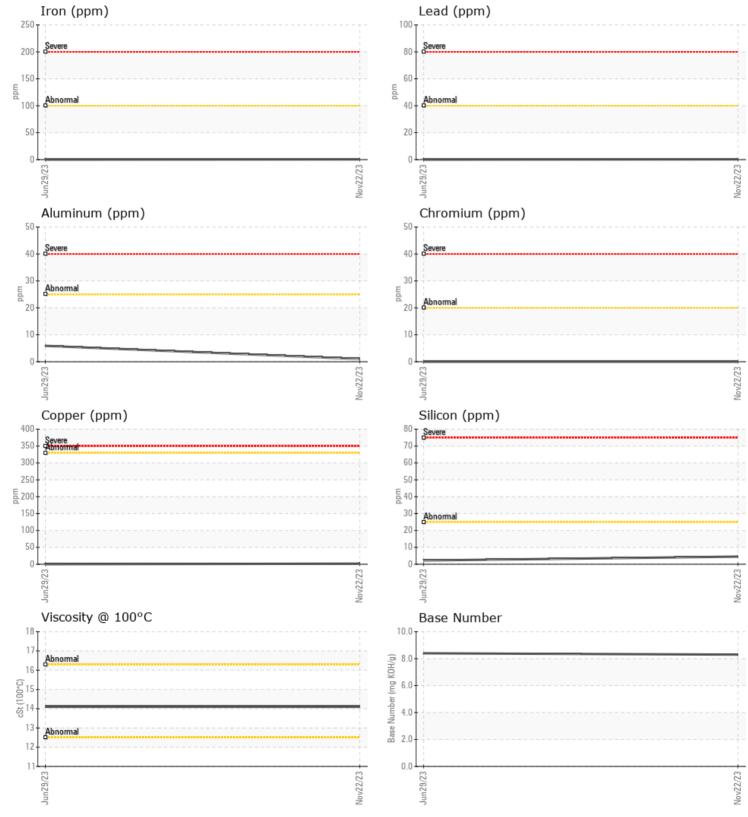
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CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0081 [WUSCAR] 06019389 (Generated: 11/29/2023 14:27:45) Rev: 1

Contact/Location: CHRIS BITNER - VOLVO0081