CONSTRUCTION EQUIPMENT SW-27645-2 VOLVO ECR145E 316856 - DIESEL ENGINE

Sample No:	VCP435847
Oil Type:	DIESEL ENGINE OIL SAE 40
Job No:	SW-27645-2

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SAMPLE INFORMATION

VOLV

Sample Number		VCP435847	 	
Sample Date		18 Dec 2023	 	
Machine Hours		480	 	
Oil Hours		480	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.9	 	
Base Number (BN)	mg KOH/g	6.8	 	
Oxidation (PA)	%	41	 	
CONTAMI	NATION			
Water	%	NEG	 	
Soot %	%		 	
Nitration (PA)	%	53	 	
Sulfation (PA)	%	47	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	21	 	
Sodium	ppm	∎1	 	
Potassium	ppm	3	 	

LVO

WEAR I	METALS			
Iron	ppm	32	 	
Copper	ppm	12	 	
Lead	ppm	 <1	 	
Tin	ppm	2	 	
Aluminum	ppm	1 8	 	
Chromium	ppm	3	 	
Molybdenum	ppm	2	 	
Nickel	ppm	10	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	3	 	
Vanadium	ppm	0	 	

ADDITI	VES			
Calcium	ppm	2122	 	
Magnesium	ppm	63	 	
Zinc	ppm	984	 	
Phosphorus	ppm	873	 	
Barium	ppm	0	 	
Boron	ppm	2	 	





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Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

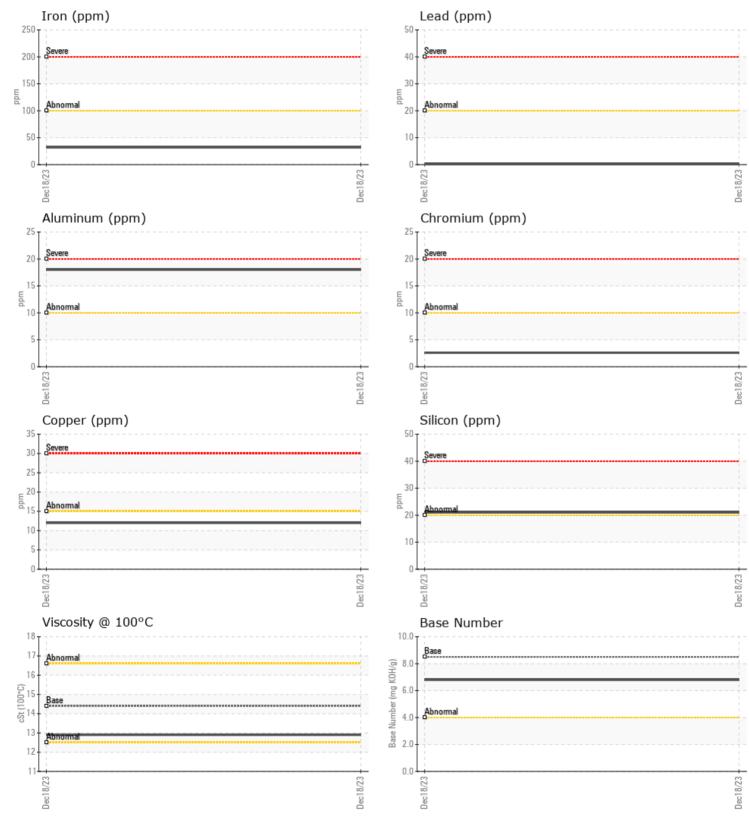
Metal levels are typical for a components first oil change. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8770 [WUSCAR] 06045764 (Generated: 12/28/2023 17:13:29) Rev: 1

Contact/Location: TJ LARK - VOLVO8770