CONSTRUCTION EQUIPMENT SWA449827 THREE LAKE VOLVO EC550 310248 - DIESEL ENGIN

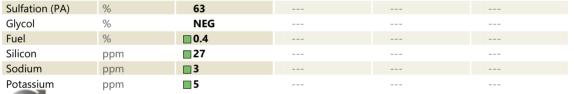
Sample No: VCP438141

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: SWA449827 THREE LAKE

SAMPLE INFORMATION

Sample Number	-	VCP438141	 	
Sample Date		04 Jan 2024	 	
Machine Hours		708	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	10.7	 	
Base Number (BN)	mg KOH/g	■4.6	 	
Oxidation (PA)	%	69	 	
	IATION			
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	84	 	
Sulfation (PA)	%	63	 	
Chucol	0/	NEG		



WEAR METALS

WEAR I	METALS			
Iron	ppm	18	 	
Copper	ppm	A 150	 	
Lead	ppm	2	 	
Tin	ppm	2	 	
Aluminum	ppm	 <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	82	 	
Nickel	ppm	2	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

ADDITIVES 2095 Calcium ppm 35 Magnesium ppm Zinc ppm 1200 881 Phosphorus ppm Barium 0 🔲 ppm 7 Boron ppm

VOLVO0095 Depot: 10829132 Jonathan Hester 15 Jan 2024

5210 REESE ROAD Contact: N. FACEY nfacey@altaequipfl.com T: (954)581-4744 F: (954)583-0318

Diagnosis

DAVIE, FL

US 33314

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Unique No: Signed: **Report Date:**

Report Id: VOLVO0095 [WUSCAR] 06057750 (Generated: 01/15/2024 08:34:02) Rev: 1

Contact/Location: N. FACEY - VOLVO0095



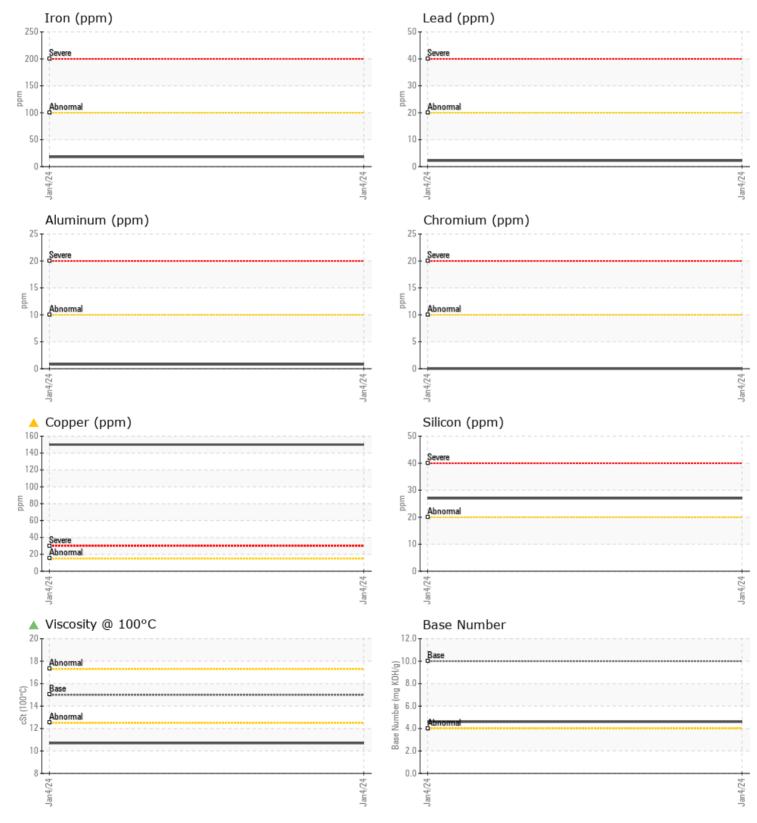


CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0095 [WUSCAR] 06057750 (Generated: 01/15/2024 08:34:05) Rev: 1

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