CONSTRUCTION EQUIPMENT 595377 TOEBO VOLVO EC380 315374 - DIESEL ENGINE

Sample No: VCP416919 **Oil Type:**

VOLVO

Job No:

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 595377 TOEBO

SAMPLE INFORMATION

Sample Number	-	VCP416919	 	
Sample Date		06 Sep 2023	 	
Machine Hours		459	 	
Oil Hours		459	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	FION			
Visc @ 100°C	cSt	A 10.3	 	
Base Number (BN)	mg KOH/g	6.2	 	
Oxidation (PA)	%	65	 	
	%	65	 	
Oxidation (PA)		65	 	
VOLVO		65 0.1	 	
CONTAMIN	IATION			
CONTAMIN Soot %	IATION %	0.1	 	
CONTAMIN Soot % Nitration (PA)	IATION % %	■ 0.1 83	 	
Soot % Nitration (PA) Sulfation (PA)	IATION % %	■ 0.1 83 54	 	
CONTAMIN Soot % Nitration (PA) Sulfation (PA) Glycol	1ATION % % %	0.1 83 54 NEG	 	
CONTAMIN Soot % Nitration (PA) Sulfation (PA) Glycol Fuel	ATION % % % %	0.1 83 54 NEG 0.6	 	

Potassium

ppm

2

WEAR METALS 12 Iron ppm 400 Copper ppm Lead **||** <1 ppm 2 Tin ppm Aluminum ppm 8 🔲 Chromium ppm <1 Molybdenum 81 ppm Nickel ppm **||** <1 Titanium 0 ppm Silver 0 ppm Manganese ppm 3 Vanadium 0 ppm

ADDITIVES							
Calcium	ppm	2212					
Magnesium	ppm	53					
Zinc	ppm	1199					
Phosphorus	ppm	999					
Barium	ppm	0					
Boron	ppm	52					



ALTA EQUIPMENT COMPANY - METRO WEST

56195 PONTIAC TRAIL NEW HUDSON, MI US 48165 Contact: JEFF YAEK jeff.yaek@altaequipment.com T: (248)770-6328 F: x:

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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). All other metal levels are typical for a new component breaking in. 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.

Depot: **VOLVO2990** Unique No: 10644715 Signed: Don Baldridge **Report Date:** 14 Sep 2023

Report Id: VOLVO2990 [WUSCAR] 05948756 (Generated: 09/14/2023 14:57:29) Rev: 1

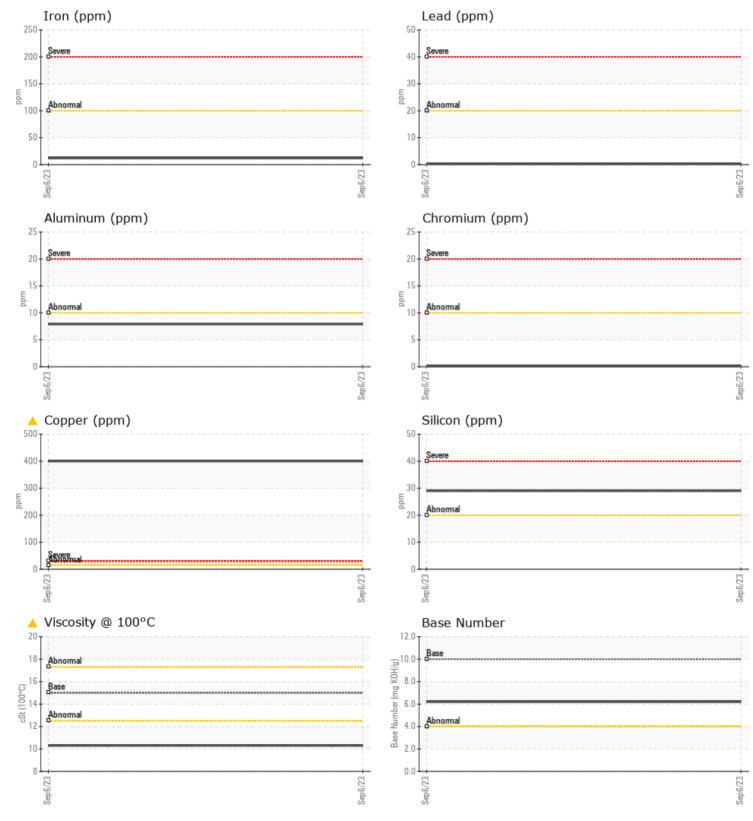
Contact/Location: JEFF YAEK - VOLVO2990

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: JEFF YAEK - VOLVO2990