CONSTRUCTION EQUIPMENT <u>SW-22232-2</u> MAVERICK VOLVO EC480E 315097 - DIESEL ENGINE

Sample No: VCP423008

VOLVO

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: SW-22232-2 MAVERICK

SAMPLE INFORMATION

Sample Number		VCP423008	 	
Sample Date		31 Jul 2023	 	
Machine Hours		679	 	
Oil Hours		679	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	ΤΙΟΝ			
Visc @ 100°C	cSt	10.5	 	
Base Number (BN)	mg KOH/g	4.8	 	
Oxidation (PA)	%	72	 	
CONTAMIN				
Contamin	NATION			
Soot %	%	∎0.1	 	
Nitration (PA)	%	81	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	0.6	 	
Silicon	ppm	33	 	
Sodium	ppm	0	 	
Potassium	ppm	4	 	

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WLAK I	METALS			
Iron	ppm	14	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	1	 	
Tin	ppm	2	 	
Aluminum	ppm	3	 	
Chromium	ppm	0	 	
Molybdenum	ppm	84	 	
Nickel	ppm		 	
Titanium	ppm	<1	 	
Silver	ppm	□<1	 	
Manganese	ppm	3	 	
Vanadium	ppm	0	 	

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ADDITIVES								
ppm	2221							
ppm	84							
ppm	1175							
ppm	954							
ppm	0							
ppm	27							
	ppm ppm ppm ppm	ppm 84 ppm 1175 ppm 954 ppm 0	ppm 84 ppm 1175 ppm 954 ppm 0	ppm 84 ppm 1175 ppm 954 ppm 0				



ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: TONY PAYAN tpayan@arnoldmachinery.com T: (801)972-4000 F: (801)975-9434

Diagnosis

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). All other component wear rates are normal. Fuel content negligible. No other contaminants were detected in the oil. The oil viscosity is lower than normal. Confirm oil type.

 Depot:
 VOLVO8770

 Unique No:
 10589081

 Signed:
 Doug Bogart

 Report Date:
 08 Aug 2023

Report Id: VOLVO8770 [WUSCAR] 05917167 (Generated: 08/08/2023 21:52:08) Rev: 1

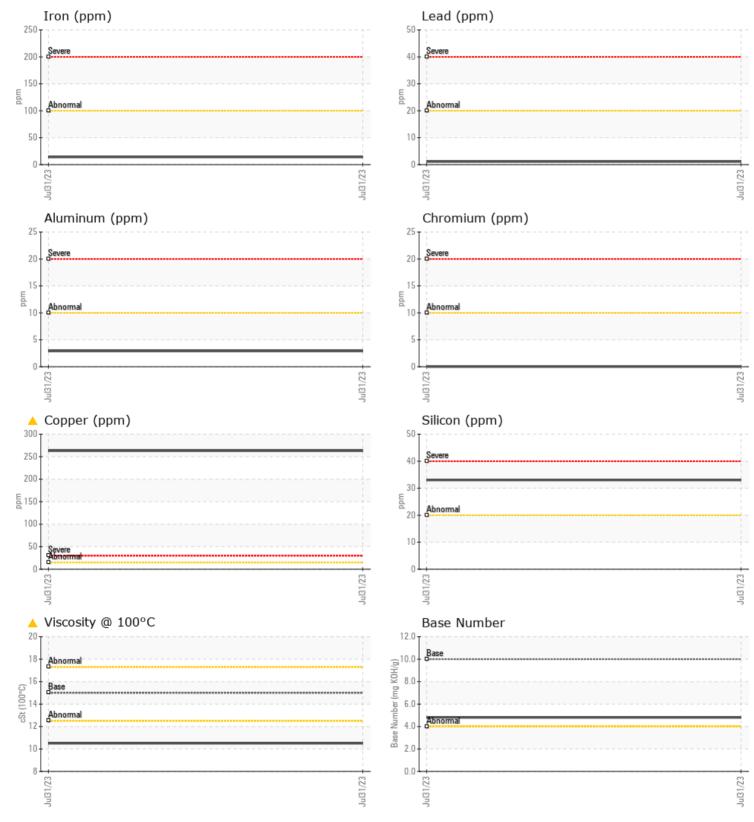
Contact/Location: TONY PAYAN - VOLVO8770

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: TONY PAYAN - VOLVO8770