CONSTRUCTION EQUIPMENT SW-25852-2 MAVERICK VOLVO EC380E 310214 - DIESEL ENGINE

 Sample No:
 VCP443482

 Oil Type:
 VOLVO ULTR

 Job No:
 SW-25852-2

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
 SW-25852-2 MAVERICK

SAMPLE I	NFORMATION			
Sample Number	-	VCP443482	VCP400935	
Sample Date		10 Nov 2023	26 Apr 2023	
Machine Hours		8042	7547	
Oil Hours		500	500	
Oil Changed		Changed	Changed	
Sample Status		ATTENTION	ABNORMAL	
OIL CONDI				
		A 12.1	110	
Visc @ 100°C	cSt	▲ 12.1	▲ 11.8	
Base Number (BN)		■7.6	7.6	
Oxidation (PA)	%	62	76	
VOLVO				
CONTAMIN	NATION			
Water	%	NEG	NEG	
Soot %	%	■0.1	0.1	
Nitration (PA)	%	59	58	
Sulfation (PA)	%	53	57	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	▲ 2.1	
Silicon	ppm	3	3	
Sodium	ppm	1	2	
Potassium	ppm	0	0	
WEAR ME	TAIS			
Iron		2	3	
Copper	ppm	0	4	
Lead	ppm	∪ <1		
Tin	ppm ppm	■<1 ■<1	0	
Aluminum	ppm	■<1 ■<1	<1	
Chromium	ppm	0		
Molybdenum	ppm	57	34	
Nickel	ppm	0	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	□ <1	□ <1	
Vanadium	ppm	0	<1	
	11144	J		

ADDITIVES								
Calcium	ppm	1132	🔺 1190					
Magnesium	ppm	928	362					
Zinc	ppm	1255	A 781					
Phosphorus	ppm	1043	634					
Barium	ppm	0	0					
Boron	ppm	9	50					



ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: TJ LARK tlark@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.All component wear rates are normal. 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:
 VOLVO8770

 Unique No:
 10749768

 Signed:
 Jonathan Hester

 Report Date:
 21 Nov 2023

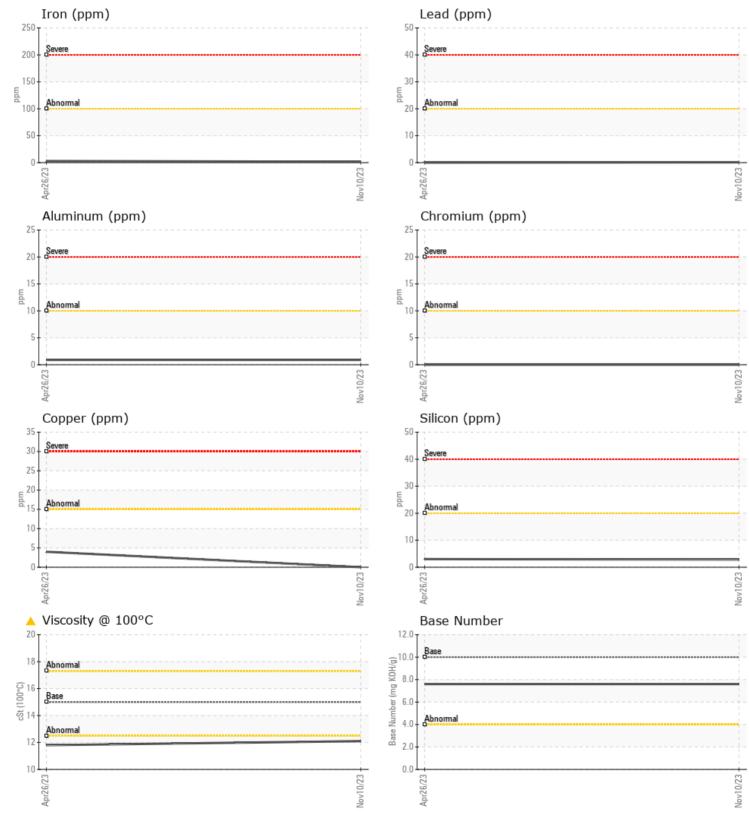
Contact/Location: TJ LARK - VOLVO8770

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8770 [WUSCAR] 06010624 (Generated: 11/21/2023 17:08:56) Rev: 1

Contact/Location: TJ LARK - VOLVO8770