CONSTRUCTION EQUIPMENT SW-22475-15 SUNROC VOLVO A40F 11398 - DIESEL ENGINE



 Sample No:
 VCP414377

 Oil Type:
 VOLVO ULT

VOLVO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: SW-22475-15 SUNROC

SAMPLE INFORMATION

Sample Number		VCP414377	VCP236832	
Sample Date		30 Aug 2023	26 Feb 2019	
Machine Hours		12017	0	
Oil Hours		217	0	
Oil Changed		Changed	N/A	
Sample Status		NORMAL	NORMAL	
OIL CONDI				
Visc @ 100°C	cSt	11.3	10.03	
Base Number (BN)	mg KOH/g	8.1		
Oxidation (PA)	%	52	47	
	IATION			
Soot %	%	0.4	0.3	
Nitration (PA)	%	65	60	
Sulfation (PA)	%	50	48	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	0.2	



ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: JUSTIN BENCH JUSTIN.BENCH@ARNOLDMACHINERY.COM T: (801)698-5639 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 BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

Potassium	

ppm

ppm

ppm

9

9

0

Silicon

Sodium

VOLVO				
WEAR N	METALS			
Iron	ppm	6	17	
Copper	ppm		2	
Lead	ppm	■ <1	0	
Tin	ppm		0	
Aluminum	ppm	2	2	
Chromium	ppm	0	<1	
Molybdenum	ppm	9	3	
Nickel	ppm	0	<1	
Titanium	ppm	<1	<1	
Silver	ppm	0	0	
Manganese	ppm	□<1	<1	
Vanadium	ppm	<1	0	

8

8

vanadiu

ADDITIVES					
Calcium	ppm	1426	1907		
Magnesium	ppm	681	598		
Zinc	ppm	827	836		
Phosphorus	ppm	727	728		
Barium	ppm	0	0		
Boron	ppm	88	58		

 Depot:
 VOLV08770

 Unique No:
 10634953

 Signed:
 Doug Bogart

 Report Date:
 09 Sep 2023

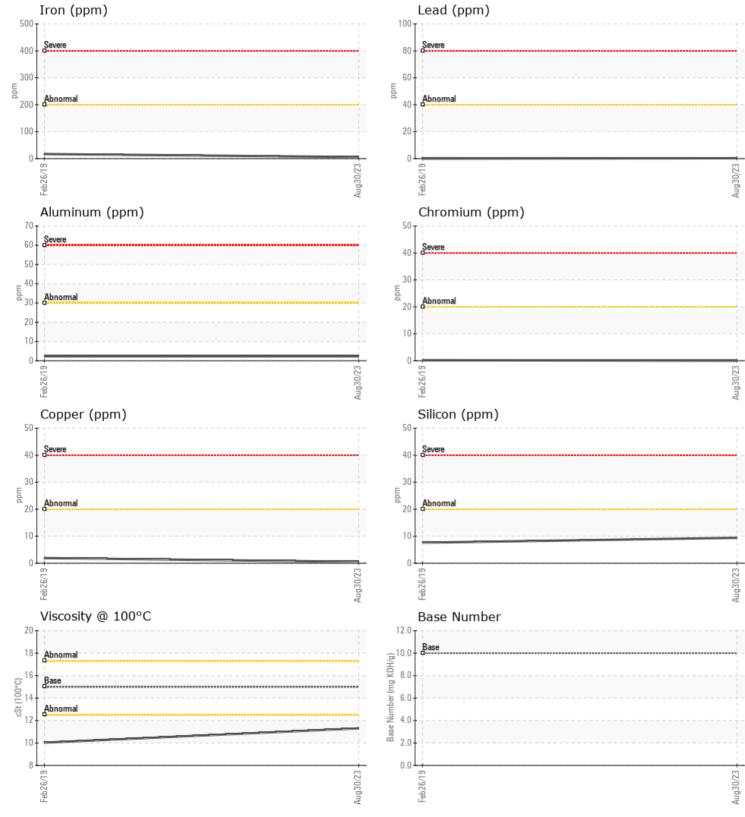
Contact/Location: JUSTIN BENCH - VOLVO8770

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



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