CONSTRUCTION EQUIPMENT SWA300873-20 CP JANS VOLVO L20H 1220271 - DIESEL ENGINE

 Sample No:
 VCP417801

 Oil Type:
 VOLVO VDS-4.5 Premium Motor Oil 15W40

 Job No:
 SWA300873-20 CP JANS

SAMPLE INFORMATION

VOLVO

Sample Number	-	VCP417801	VCP369759	
Sample Date		19 Jul 2023	07 Nov 2022	
Machine Hours		1981	1278	
Oil Hours		0	600	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
VOLVO				
OIL CONDI	TION			
Visc @ 100°C	cSt	13.0	12.3	
Base Number (BN)	mg KOH/g	9.7	10.1	
Oxidation (PA)	%	84	92	
CONTAMI	NATION			
Soot %	%	0.1	0.1	
Nitration (PA)	%	77	89	
Sulfation (PA)	%	59	64	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	5	6	
Sodium	ppm	4	2	

ALTA EQUIPMENT

5985 COURT STREET ROAD SYRACUSE, NY US 13206 Contact: JIM STRIGLE JIM.STRIGLE@ALTG.COM T: (315)437-2611 F: (315)434-9471

Diagnosis

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. The condition of the oil is suitable for further service.

WEAR I	METALS			
Iron	ppm	6	8	
Copper	ppm	1	3	
Lead	ppm	0	0	
Tin	ppm		<1	
Aluminum	ppm	1	1	
Chromium	ppm		<1	
Molybdenum	ppm	45	42	
Nickel	ppm	0	0	
Titanium	ppm	<1	0	
Silver	ppm	0	0	
Manganese	ppm	■ <1	<1	
Vanadium	ppm	<1	0	

vanaulu

ADDITIVES							
Calcium	ppm	1764	1719				
Magnesium	ppm	584	488				
Zinc	ppm	1219	1132				
Phosphorus	ppm	980	919				
Barium	ppm	0	0				
Boron	ppm	50	43				

 Depot:
 VOLV00142

 Unique No:
 10576311

 Signed:
 Wes Davis

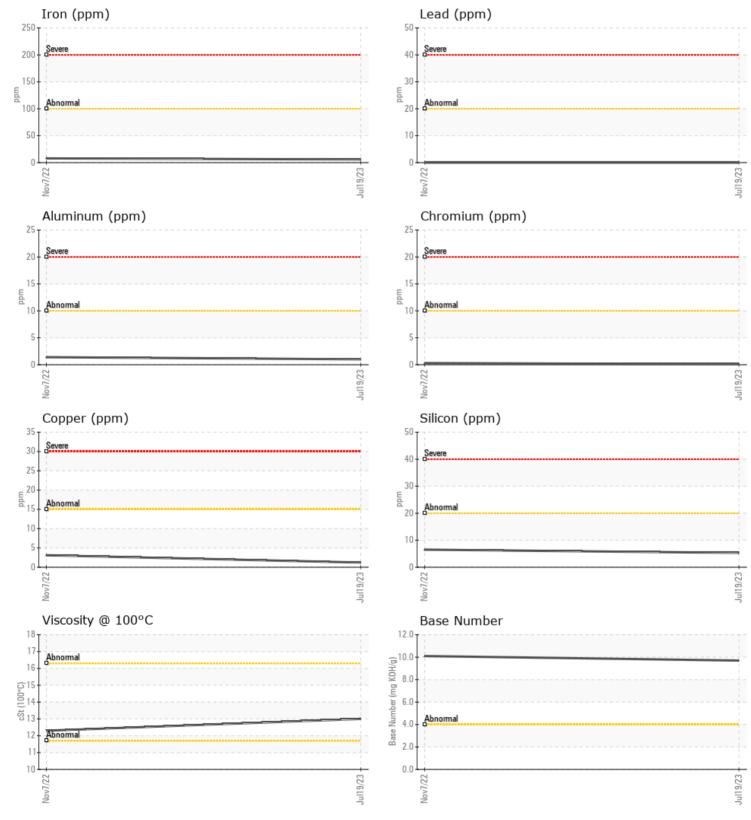
 Report Date:
 28 Jul 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0142 [WUSCAR] 05909659 (Generated: 07/28/2023 14:29:10) Rev: 1

Contact/Location: JIM STRIGLE - VOLVO0142