CONSTRUCTION EQUIPMENT B51102 PEPPIN LUMBER PONSSE A010683 - DIESEL ENGINE

Sample No: VCP431621 Oil Type: DIESEL ENGIN

VOLVO

DIESEL ENGINE OIL SAE 15W40 B51102 PEPPIN LUMBER

Job No:

SAMPLE INFORMATION VCP431621 Sample Number VCP320378 Sample Date 28 Nov 2023 20 Aug 2021 Machine Hours 6448 2137 Oil Hours 0 0 Oil Changed Changed N/A ATTENTION NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt **11.6** 12.1 Base Number (BN) mg KOH/g 8.5 Oxidation (PA) 88 80 % CONTAMINATION NEG % NEG Water

Soot %	%	0.2	0.2	
Nitration (PA)	%	82	78	
Sulfation (PA)	%	57	53	
Glycol	%	NEG	NEG	
Fuel	%	0.0	0.3	
Silicon	ppm	5	1	
Sodium	ppm	0	1	
Potassium	ppm	4	11	

WFAR ME

WEAR N	METALS			
Iron	ppm	15	 <1	
Copper	ppm	∎1	1	
Lead	ppm	0	0	
Tin	ppm	□ <1	0	
Aluminum	ppm	4	6	
Chromium	ppm		<1	
Molybdenum	ppm	53	46	
Nickel	ppm		0	
Titanium	ppm	0	0	
Silver	ppm	0	<1	
Manganese	ppm	0	<1	
Vanadium	ppm	0	0	

ADDITIVES							
Calcium	ppm	1426	1407				
Magnesium	ppm	1004	911				
Zinc	ppm	1010	901				
Phosphorus	ppm	790	764				
Barium	ppm	2	0				
Boron	ppm	80	81				



CHADWICK-BAROSS INC

188 PERRY ROAD BANGOR, ME US 04401 Contact: TED MENARD Ted.Menard@chadwick-baross.com T: (207)942-4838 F: (207)941-0856

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. 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:
 VOLVO007

 Unique No:
 10767946

 Signed:
 Jonathan Hester

 Report Date:
 08 Dec 2023

Report Id: VOLVO0007 [WUSCAR] 06023446 (Generated: 12/08/2023 16:20:23) Rev: 1

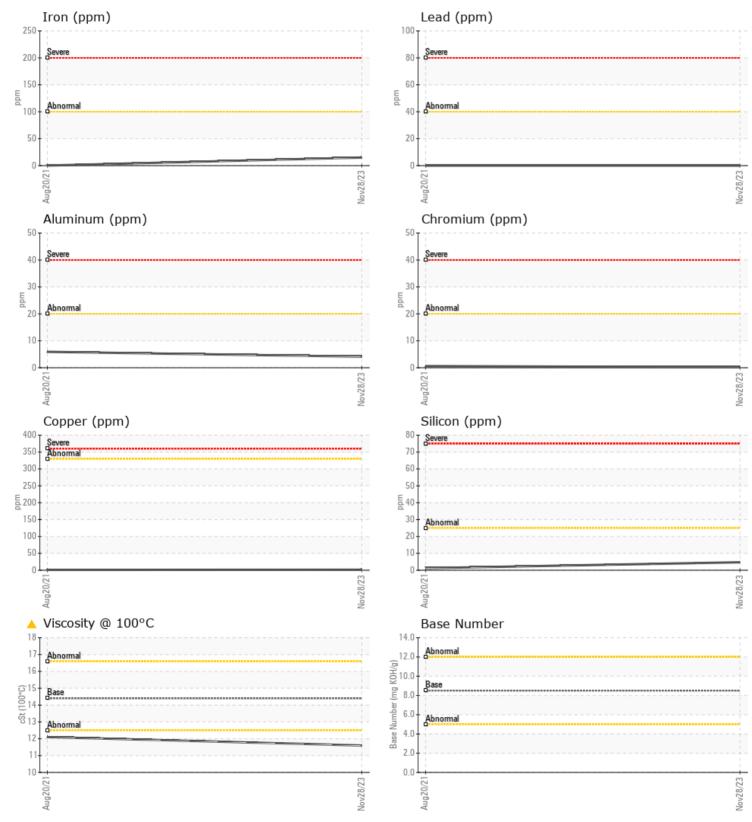
Contact/Location: TED MENARD - VOLVO0007

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0007 [WUSCAR] 06023446 (Generated: 12/08/2023 16:20:26) Rev: 1

Contact/Location: TED MENARD - VOLVO0007