CONSTRUCTION EQUIPMENT HASLAN PONSSE A011052 - DIESEL ENGINE

19 Nov 2023

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N/A NORMAL

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Sample No: VCP429624 **Oil Type: DIESEL ENGINE OIL SAE 40** Job No: HASLAN

VOLVO

SAMPLE INFORMATION VCP429624 Sample Number

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%

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Sample Date
Machine Hours
Oil Hours
Oil Changed
Sample Status
OIL CONDITION

Visc @ 100°C Base Number (BN) mg KOH/g Ovidatio (PA)

Oxidatio	n (F
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CONTAMI	NATION			
Water	%	NEG	 	
Soot %	%	0.3	 	
Nitration (PA)	%	60	 	
Sulfation (PA)	%	51	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	0	 	
Potassium	ppm	24	 	

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Iron	ppm	7	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	 <1	 	
Aluminum	ppm	1 4	 	
Chromium	ppm		 	
Molybdenum	ppm	57	 	
Nickel	ppm	□ <1	 	
Titanium	ppm	□ <1	 	
Silver	ppm	0	 	
Manganese	ppm	□<1	 	
Vanadium	ppm	0	 	

ADDITI	VES			
Calcium	ppm	1221	 	
Magnesium	ppm	902	 	
Zinc	ppm	1225	 	
Phosphorus	ppm	1002	 	
Barium	ppm	0	 	
Boron	ppm	8	 	



CHADWICK-BAROSS INC

188 PERRY ROAD BANGOR, ME US 04401 Contact: JOHN GERALD gerald@chadwick-baross.com T: (207)735-0857 F: (207)941-0856

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) **DIESEL ENGINE OIL SAE 40. Please** confirm.

All component wear rates are normal. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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.

Depot: VOLVO0007 Unique No: 10751294 Signed: Wes Davis Report Date: 21 Nov 2023

Report Id: VOLVO0007 [WUSCAR] 06012150 (Generated: 11/21/2023 09:32:05) Rev: 1

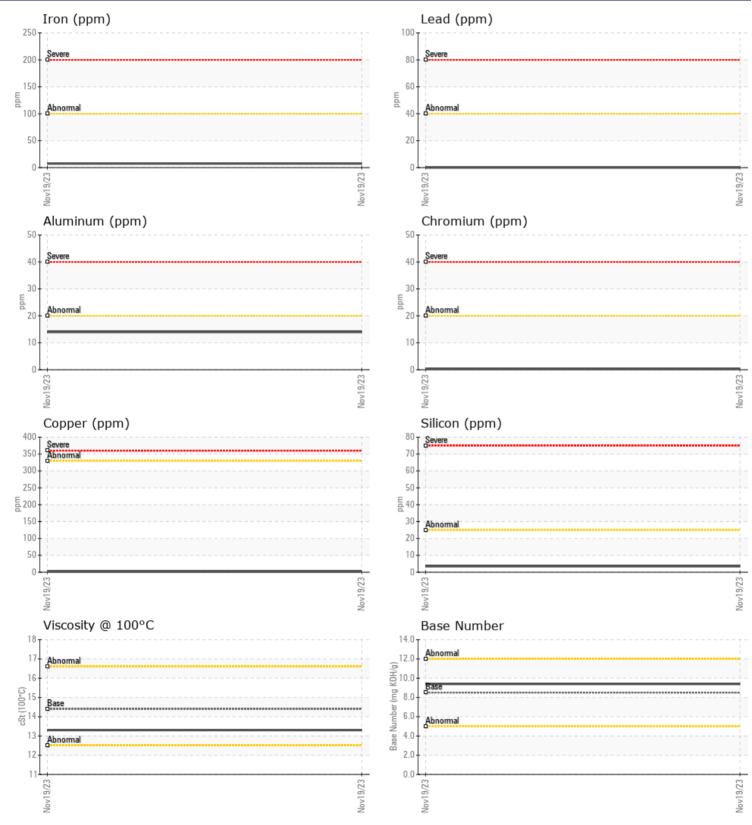
Contact/Location: JOHN GERALD - VOLVO0007

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO0007 [WUSCAR] 06012150 (Generated: 11/21/2023 09:32:07) Rev: 1

Contact/Location: JOHN GERALD - VOLVO0007