OIL ANALYSIS REPORT

CITY OF LOUISVILLE R103008630 VOLVO PENTA 2016144333 - INDUSTRIAL ENGINE-GENERATOR - DIESEL ENGINE

Sample No: VPA055462

Oil Type: VOLVO PENTA

SAMPLE INFORMATION

Sample Number		VPA055462	 	
Sample Date		26 Oct 2023	 	
Machine Hours		42	 	
Oil Hours		42	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.2	 	
Base Number (BN)	mg KOH/g	8.6	 	
. ,		_		
Oxidation (PA)	%	53	 	
CONTAMINATION				
LUNIAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	50	 	
Sulfation (PA)	%	51	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	22	 	
Sodium	ppm	4	 	
Potassium	ppm	5	 	
WEAR METALS				

Iron	ppm	6	 	
Copper	ppm	5	 	
Lead	ppm	0	 	
Tin	ppm	2	 	
Aluminum	ppm	2	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	12	 	
Nickel	ppm	■ <1	 	
Titanium	ppm	□ <1	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	1349	 	
Magnesium	ppm	644	 	
Zinc	ppm	1207	 	
Phosphorus	ppm	1037	 	
Barium	ppm	■ <1	 	
Boron	ppm	159	 	

WESTERN BRANCH - VP530168

1616 METRIC AVE SW CANTON, OH US 44706 Contact: RUSTY CRONK gcronk@wbdiesel.com T: (330)323-2393 F: (330)454-6126

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 acceptable for the time in service.

 Depot:
 VP410898

 Unique No:
 10723694

 Signed:
 Don Baldridge

 Report Date:
 02 Nov 2023

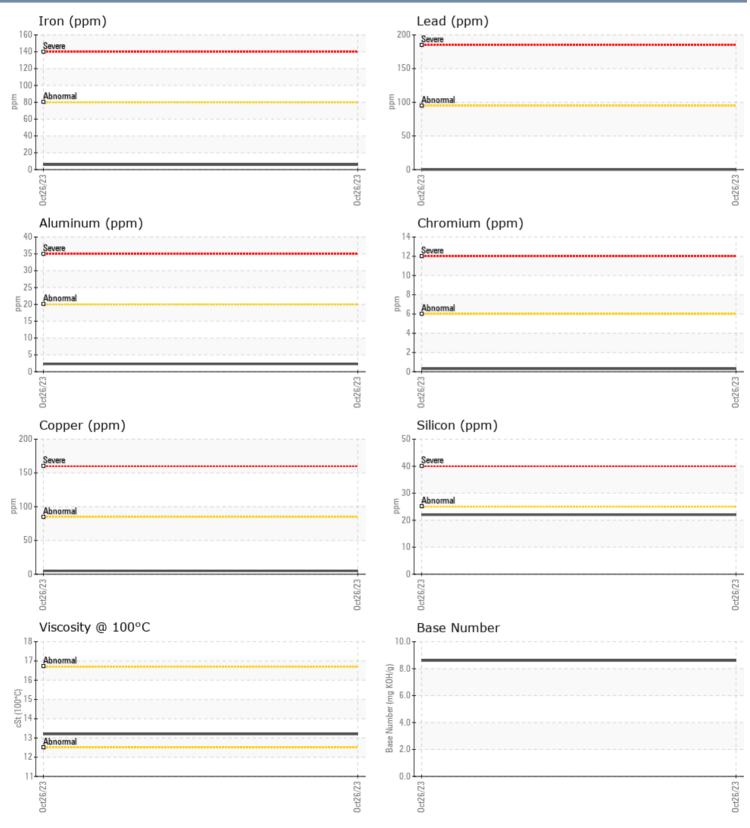
Contact/Location: RUSTY CRONK - VP410898



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP410898 [WUSCAR] 05995334 (Generated: 11/02/2023 10:36:05) Rev: 1

Contact/Location: RUSTY CRONK - VP410898