## **OIL ANALYSIS REPORT**

## VOLVO PENTA VV005160 - PORT DIESEL ENGINE

Sample No: VPA056063

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Sample Number		VPA056063	 	
Sample Date		03 Jul 2023	 	 FDDA FT PIERCE - PO
Machine Hours		704	 	
Oil Hours		0	 	 FORT PIERCE, FL
Oil Changed		Not Changd	 	 US
Sample Status		NORMAL	 	 Contact: KYLE GRASER
				k.graser@ssss.com
OIL CONDITION				T: F:
Visc @ 100°C	cSt	<b>14.2</b>	 	 
Base Number (BN)	mg KOH/g	<b>10.0</b>	 	 <b>D</b> <sup>1</sup>
Oxidation (PA)	%	60	 	 Diagnosis
CONTAMINATION				Resample at the next s
CONTAMINATION				to monitor.All compor are normal. There is no
Soot %	%	0.2	 	 any contamination in t
Nitration (PA)	%	58	 	 result indicates that th
Sulfation (PA)	%	53	 	 alkalinity remaining in
Glycol	%	NEG	 	 condition of the oil is a
Fuel	%	<1.0	 	 the time in service.
Silicon	ppm	3	 	
Sodium	ppm	3	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	26	 	
Copper	ppm	2	 	
Lead	ppm	■ <1	 	
Tin	ppm		 	
Aluminum	ppm	 13	 	
Chromium	ppm	_ <1	 	
Molybdenum	ppm	<b>5</b> 9	 	
Nickel	ppm		 	
Titanium	ppm	□ <1	 	
Silver	ppm	0	 	
Manganese	ppm	<b>□</b> <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
	12 12 122			
Calcium	ppm	1088	 	
Magnesium	ppm	984	 	
Zinc	ppm	1229	 	
Phosphorus	ppm	1005	 	
. ·			 	
Barium Boron	ppm ppm	<b>0</b> <b>2</b>	 	

R CENTER

vice interval wear rates dication of oil. The BN is suitable oil. The eptable for

Contact/Location: KYLE GRASER - VP208659

Sean Felton

19 Jul 2023

Signed:

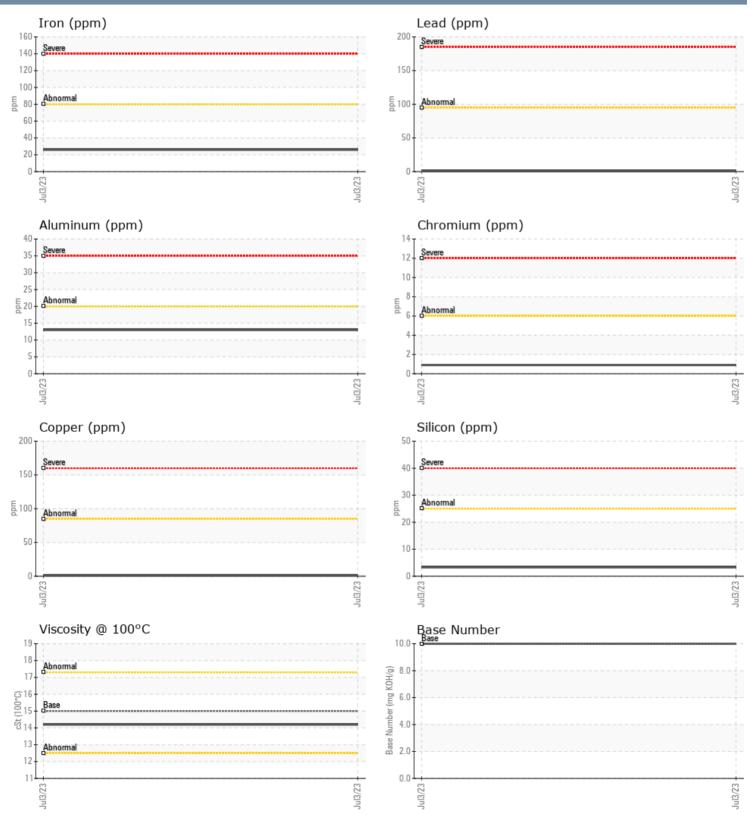
Report Date:



## **OIL ANALYSIS REPORT**



## GRAPHS



Report Id: VP208659 [WUSCAR] 05900902 (Generated: 07/19/2023 16:51:29) Rev: 1

Contact/Location: KYLE GRASER - VP208659