## **OIL ANALYSIS REPORT**

## TAYLOR HARVEY DANIEL/502595 VOLVO PENTA A1144486 - STARBOARD DIESEL ENGINE

Sample No: VPA059352

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

ample Number		VPA059352	 	
ample Date		01 Jan 2024	 	
/achine Hours		264	 	
Dil Hours		0	 	
Dil Changed		Changed	 	
ample Status		NORMAL	 	
OIL CONDITION				
/isc @ 100°C	cSt	<b>13.0</b>	 	
ase Number (BN)	mg KOH/g	9.8	 	
Dxidation (PA)	%	56	 	
CONTAMINATION				
CONTRIMINATION				
Vater	%	NEG	 	
oot %	%	<b>0.1</b>	 	
litration (PA)	%	42	 	
ulfation (PA)	%	53	 	
lycol	%	NEG	 	
uel	%	<1.0	 	
ilicon	ppm	8	 	
odium	ppm	<b>1</b>	 	
otassium	ppm	2	 	
WEAR METALS				
ron	ppm	5	 	
Copper	ppm	<b>4</b>	 	
ead	ppm	<b>1</b>	 	
ïn	ppm	<b></b> <1	 	
luminum	ppm	4	 	
Chromium	ppm	<b>■</b> <1	 	
/lolybdenum	ppm	63	 	
lickel	ppm	<b>  </b> <1	 	
ïtanium	ppm	0	 	
ilver	ppm	0	 	
/langanese	ppm	<b>■</b> <1	 	
/anadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	<b>1055</b>	 	
/lagnesium	ppm	924	 	
linc	ppm	1219	 	
hosphorus	ppm	1057	 	
arium	ppm	0	 	
loron	ppm	<b>42</b>	 	

#### Marine LLC - Coastal Marine - 152124 11th Ave. NW TLE, WA 8107 act: WILLOW YANARELLA ce@coastalmarineengine.com 6)784-3703 6)784-8823

### gnosis

mple at the next service interval nonitor.All component wear rates normal. There is no indication of contamination in the oil. The BN It indicates that there is suitable inity remaining in the oil. The lition of the oil is suitable for er service.

Report Date: 22 Jan 2024 Contact/Location: WILLOW YANARELLA - VP794951

VP794951

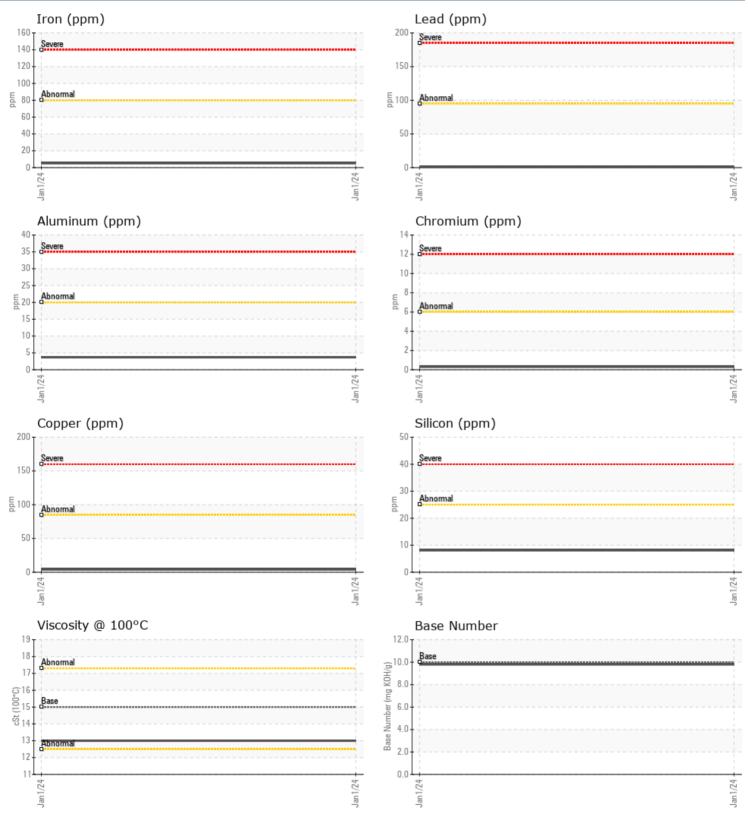
10836343 Angela Borella



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP794951 [WUSCAR] 06064961 (Generated: 01/22/2024 16:02:47) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951