## **OIL ANALYSIS REPORT**

## MATTHEW HINRICHS AR 502715 VOLVO PENTA A 166860 - STARBOARD DIESEL ENGINE

Sample No: VPA036302

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

Sample Number		VPA036302	 	
Sample Date		05 Mar 2024	 	
, Machine Hours		787	 	
Dil Hours		0	 	
Dil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
′isc @ 100°C	cSt	<b>14.1</b>	 	
Base Number (BN)	mg KOH/g	8.4	 	
Dxidation (PA)	%	60	 	
CONTAMINATION				
Vater	%	NEG	 	
oot %	%	0.1	 	
litration (PA)	%	73	 	
ulfation (PA)	%	54	 	
Glycol	%	NEG	 	
uel	%	<1.0	 	
ilicon	ppm	6	 	
odium	ppm	2	 	
otassium	ppm	4	 	
WEAR METALS				
ron	ppm	<b>9</b>	 	
Copper	ppm	8	 	
ead	ppm	5	 	
n	ppm	<b>□</b> <1	 	
luminum	ppm	3	 	
hromium	ppm	<b>□</b> <1	 	
1olybdenum	ppm	□21	 	
lickel	ppm	<b>□</b> <1	 	
itanium	ppm	<b>□</b> <1	 	
ilver	ppm	<b></b> <1	 	
langanese	ppm		 	
anadium	ppm	<1	 	
ADDITIVES				
and designed in the second sec				
	ppm	1377	 	
alcium 1agnesium	ppm	750		
lagnesium inc	ppm ppm	840	 	
1agnesium inc hosphorus	ppm ppm ppm	■ 840 ■ 742		
1agnesium inc	ppm ppm	840		

#### or Marine LLC - Coastal Marine - 152124 0 11th Ave. NW TTLE, WA 98107 tact: WILLOW YANARELLA vice@coastalmarineengine.com 206)784-3703 206)784-8823

### gnosis

sample at the next service interval monitor.All component wear rates normal. There is no indication of contamination in the oil. The BN ult indicates that there is suitable alinity remaining in the oil. The ndition of the oil is suitable for ther service.

Contact/Location: WILLOW YANARELLA - VP794951

Report Date:

VP794951 10922800

Don Baldridge

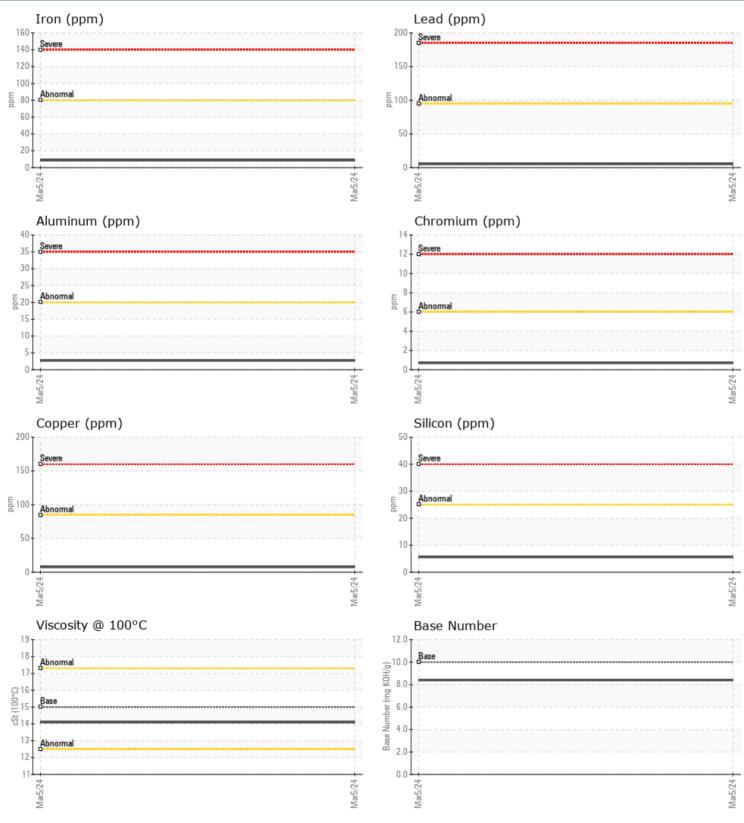
12 Mar 2024



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP794951 [WUSCAR] 06113967 (Generated: 03/13/2024 15:23:59) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951