## **OIL ANALYSIS REPORT**

### RICK PAUL VOLVO PENTA 2006016302 - PORT DIESEL ENGINE

Sample No: VPA060219

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

Sample Number		VPA060219	 	
Sample Date		16 Nov 2023	 	
Aachine Hours		609	 	
il Hours		6	 	
)il Changed		Not Changd	 	
ample Status		NORMAL	 	
OIL CONDITION				
′isc @ 100°C	cSt	<b>13.6</b>	 	
Base Number (BN)	mg KOH/g	<b>10.2</b>	 	
Oxidation (PA)	%	57	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	42	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
ilicon	ppm	<b>4</b>	 	
odium	ppm	3	 	
Potassium	ppm	3	 	
	1-1-			
WEAR METALS				
ron	ppm	8	 	
Copper	ppm	<b>1</b>	 	
ead	ppm	<b>  </b> <1	 	
īn	ppm	<b>  </b> <1	 	
Aluminum	ppm	3	 	
Chromium	ppm	<b>■</b> <1	 	
Aolybdenum	ppm	53	 	
lickel	ppm	0	 	
Titanium	ppm	<b>□</b> <1	 	
ilver	ppm	0	 	
/langanese	ppm	<b>□</b> <1	 	
anadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	🔲 1109	 	
lagnesium	ppm	892	 	
ïnc	ppm	1220	 	
hosphorus	ppm	1026	 	
Barium	ppm	0	 	
loron	ppm	<b>12</b>	 	

#### ORIDA DETROIT DIESEL - 531006 - 1125774

28 CHESTNUT AVE ANAMA CITY, FL S 32401 ontact: RICHARD ROBERTS .roberts@kirbycorp.com (850)763-7656

#### Diagnosis

esample at the next service interval o monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN esult indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for he time in service.

Report Date:

VPFLOPAN 10752954

Don Baldridge

23 Nov 2023

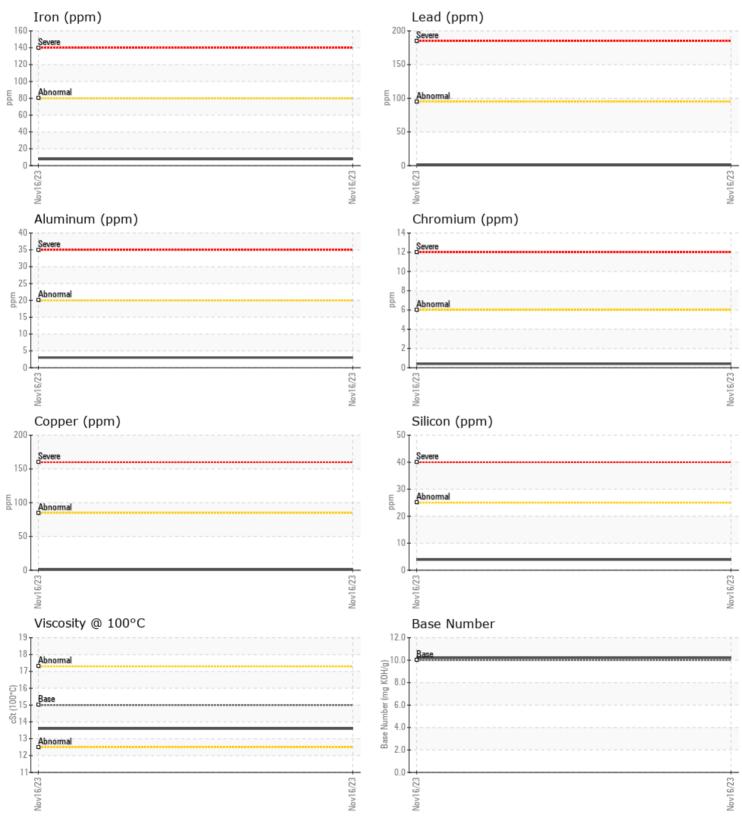


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# **OIL ANALYSIS REPORT**



#### GRAPHS



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Contact/Location: RICHARD ROBERTS - VPFLOPAN