## **OIL ANALYSIS REPORT**

### PATRICK SEARS P SEARS VOLVO PENTA 513007511173 - CENTER DIESEL ENGINE

Sample No: VPA061715

**Oil Type: VOLVO PENTA SAE 15W40** 

#### SAMPLE INFORMATION

SAMPLE INFURMA	IIUN			
Sample Number		VPA061715	 	
Sample Date		02 Jul 2024	 	
Machine Hours		1200	 	
Oil Hours		200	 	
Oil Changed		Changed	 	
Sample Status		ATTENTION	 	
OIL CONDITION				
Visc @ 100°C	cSt	<b>10.5</b>	 	
Base Number (BN)	mg KOH/g	10.5	 	
Oxidation (PA)	%	50	 	
	70	50		
CONTAMINATION				
Water	%	NEG	 	
Soot %	%		 	
Nitration (PA)	%	38	 	
Sulfation (PA)	%	47	 	
Glycol	%	NEG	 	
Fuel	%	0.2	 	
Silicon	ppm	<b>7</b>	 	
Sodium	ppm	<b>1</b> 8	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	28	 	
Copper	ppm	<b>44</b>	 	
Lead	ppm	3	 	
Tin	ppm	<b>■</b> <1	 	
Aluminum	ppm	7	 	
Chromium	ppm	0	 	
Molybdenum	ppm	60	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm		 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	<b>1204</b>	 	
Magnesium	ppm	918	 	
Zinc	ppm	1315	 	
Phosphorus	ppm	1197	 	
Barium	ppm		 	
Boron	ppm	<b>4</b> 0	 	
201011	~~~			

rine LLC - Coastal Marine - 152124 h Ave. NW WA )7 WILLOW YANARELLA coastalmarineengine.com 84-3703 84-8823

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change at the time of ig has been noted. No ve action is recommended at e. Resample at the next nterval to monitor.All ent wear rates are normal. dicate that there is no fuel in the oil. There is no on of any contamination in The oil viscosity is lower than The BN result indicates that suitable alkalinity remaining il. Confirm oil type.

Contact/Location: WILLOW YANARELLA - VP794951

Signed: Report Date: VP794951 11114673

Sean Felton

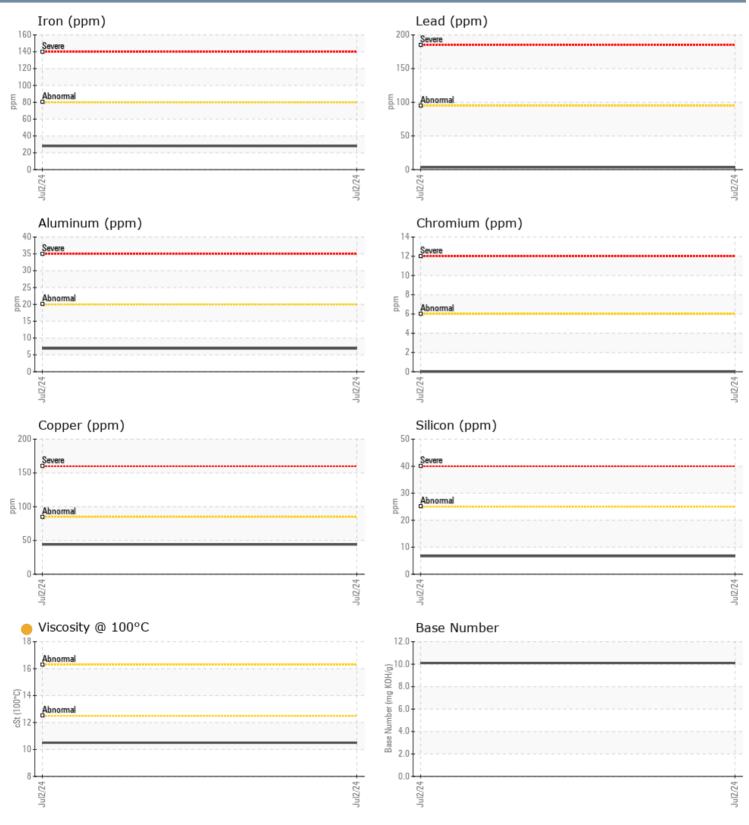
11 Jul 2024



# **OIL ANALYSIS REPORT**



#### GRAPHS



Report Id: VP794951 [WUSCAR] 06231180 (Generated: 07/15/2024 08:59:03) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951