OIL ANALYSIS REPORT

VOLVO PENTA

DARYL SAVAGE 502294 VOLVO PENTA A491699 - PORT DIESEL ENGINE

Sample No: VPA049562

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA049562	 	
Sample Date		24 Aug 2023	 	
Machine Hours		390	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.6	 	
		_		
Base Number (BN)		9.9	 	
Oxidation (PA)	%	51	 	
CONTAMINATION				
Soot %	%	0.2	 	
Nitration (PA)	%	41	 	
Sulfation (PA)	%	48	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	12	 	
Sodium	ppm	2	 	
Potassium	ppm	∎1	 	

WEAR METALS

Iron	ppm	8	 	
Copper	ppm	8	 	
Lead	ppm	1	 	
Tin	ppm	1	 	
Aluminum	ppm	8	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	64	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	<1	 	

ADDITIVES

Calcium	ppm	1180	 	
Magnesium	ppm	1043	 	
Zinc	ppm	1318	 	
Phosphorus	ppm	1063	 	
Barium	ppm	0	 	
Boron	ppm	2	 	

Endor Marine LLC - Coastal Marine - 152124 4300 11th Ave. NW SEATTLE, WA US 98107 Contact: WILLOW YANARELLA service@coastalmarineengine.com T: (206)784-3703 F: (206)784-8823

Diagnosis

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

 Depot:
 VP794951

 Unique No:
 10636063

 Signed:
 Don Baldridge

 Report Date:
 11 Sep 2023

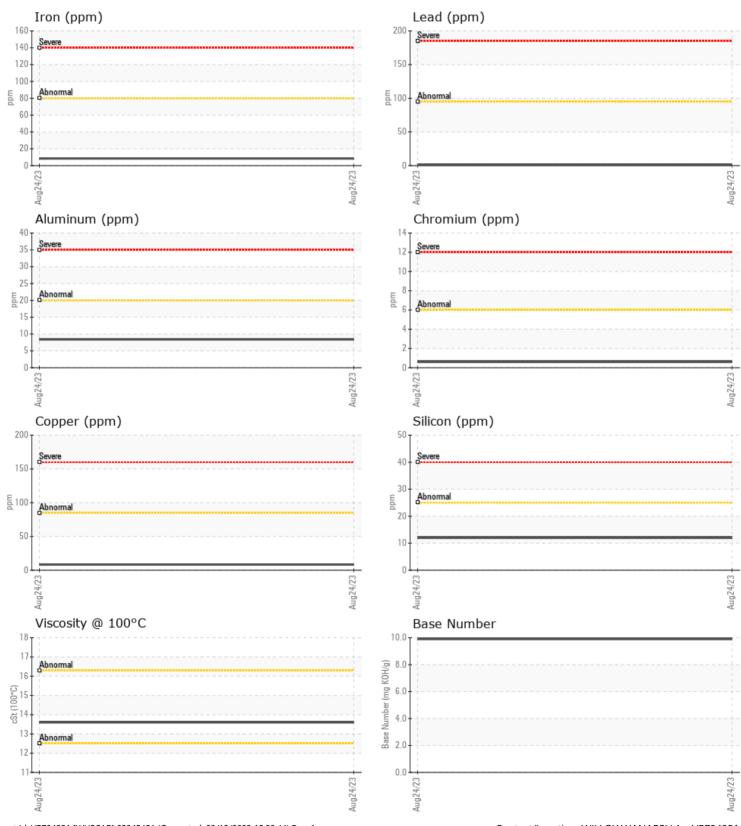
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Contact/Location: WILLOW YANARELLA - VP794951

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GRAPHS



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