OIL ANALYSIS REPORT

EPY SAM VOLVO PENTA 7008565333 - STARBOARD DIESEL ENGINE

Sample No: VPA061711

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA061711	 	
Sample Date		01 Jul 2024	 	
Machine Hours		121	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ATTENTION	 	
Sample Status		ATTENTION	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.0	 	
Base Number (BN)	mg KOH/g	7.4	 	
Oxidation (PA)	%	57	 	
		-		
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.9	 	
Nitration (PA)	%	75	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	0.2	 	
Silicon	ppm	27	 	
Sodium	ppm	5	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	23	 	
Copper	ppm	68	 	
Lead	ppm	■ <1	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	6	 	
Chromium	ppm	2	 	
Molybdenum	ppm	87	 	
Nickel	ppm	1	 	
Titanium	ppm	0	 	
Silver	ppm		 	
Manganese	ppm		 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	2157	 	
Magnesium	ppm	62	 	
Zinc	ppm	1164	 	
Phosphorus	ppm	972	 	
Barium	ppm		 	
_	P.P			

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

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VP794951

 Unique No:
 11110448

 Signed:
 Don Baldridge

 Report Date:
 08 Jul 2024

46

ppm

Boron

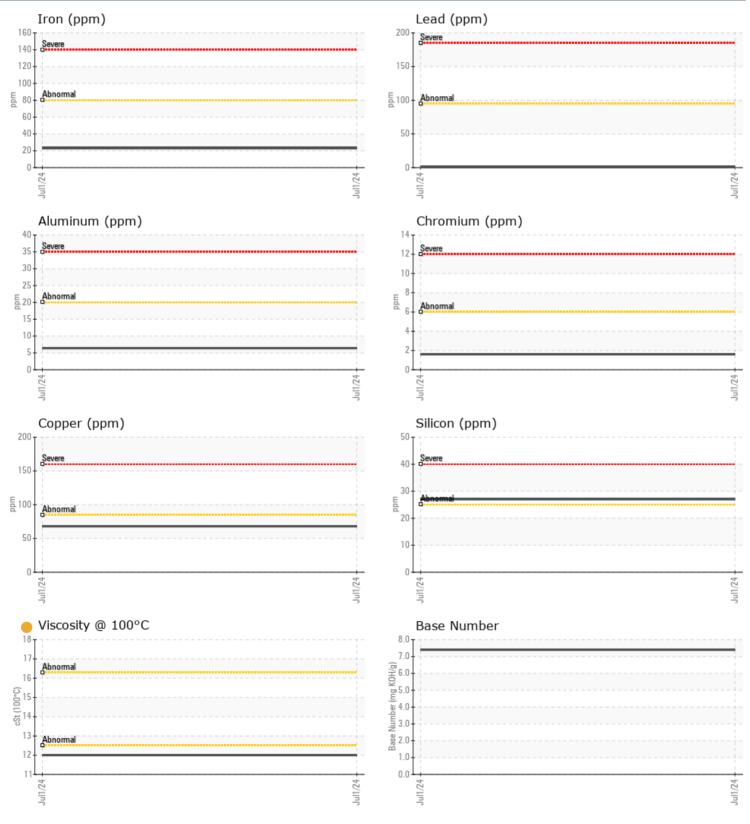
Contact/Location: WILLOW YANARELLA - VP794951



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP794951 [WUSCAR] 06226955 (Generated: 07/09/2024 12:49:42) Rev: 1

Contact/Location: WILLOW YANARELLA - VP794951