OIL ANALYSIS REPORT

VOLVO PENTA

BRIAN BRUCE SAM VOLVO PENTA 2071176999 - PORT DIESEL ENGINE

Sample No: VPA060039

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

JUMPEL INI ANMA				
Sample Number		VPA060039	 	
Sample Date		16 Feb 2024	 	
Machine Hours		862	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.2	 	
Base Number (BN)	mg KOH/g	9.5	 	
Oxidation (PA)	%	56	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.4	 	
Nitration (PA)	%	53	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	1	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	20	 	
Copper	ppm	4 3	 	
Lead	ppm	28	 	
Tin	ppm	■ <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	2	 	
Molybdenum	ppm	92	 	
Nickel	ppm	5	 	
Titanium	ppm	 <1	 	
Silver	ppm	□<1	 	
Manganese	ppm	■ <1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1596	 	
Magnesium	ppm	1321	 	
Zinc	ppm	1617	 	

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:
 10889465

 Signed:
 Sean Felton

 Report Date:
 23 Feb 2024

1375

|| <1

97

ppm

ppm

ppm

Phosphorus

Barium

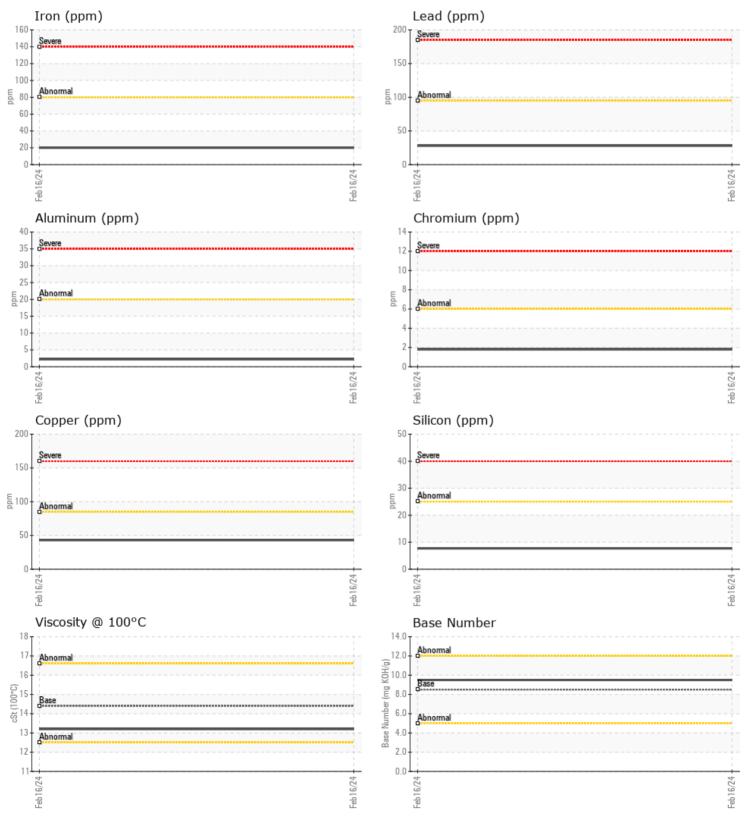
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Contact/Location: WILLOW YANARELLA - VP794951

OIL ANALYSIS REPORT



GRAPHS



Report Id: VP794951 [WUSCAR] 06096612 (Generated: 02/26/2024 12:52:53) Rev: 2

Contact/Location: WILLOW YANARELLA - VP794951