OIL ANALYSIS REPORT

RICK MORRIS JF VOLVO PENTA A408297 - STARBOARD DIESEL ENGINE

Sample No: VPA052583

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

JAMPLE INFURMA				
Sample Number		VPA052583	 	
Sample Date		09 Jul 2024	 	
Machine Hours		309	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	14.4	 	
Base Number (BN)	mg KOH/g	10.4	 	
Oxidation (PA)	%	38	 	
. ,				
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	48	 	
Sulfation (PA)	%	45	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	
Sodium	ppm	2	 	
Potassium	ppm	2	 	
WEAR METALS	ppm			
Iron	ppm	9	 	
Copper	ppm	2	 	
Lead	ppm		 	
Tin	ppm	□ <1	 	
Aluminum	ppm	3	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	4 7	 	
Nickel	ppm	■ <i>+1</i> ■<1	 	
Titanium		■<1 ■<1	 	
	ppm		 	
Silver	ppm	0		
Manganese	ppm	■<1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	2179	 	
Magnesium	ppm	350	 	
Zinc	ppm	974	 	
Phosphorus	ppm	822	 	
Barium	ppm	0	 	
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TOTAL MARINE OF MARYLAND INC

106 WELLS COVE ROAD SUITE 2 GRASONVILLE, MD US 21638 Contact: JAMIE FLAHERTY jflaherty@totalmarine.com T: (410)604-6000 F:

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:
 VP1130693

 Unique No:
 11115560

 Signed:
 Don Baldridge

 Report Date:
 11 Jul 2024

Report Id: VP1130693 [WUSCAR] 06232067 (Generated: 07/12/2024 09:26:15) Rev: 1

92

ppm

Boron

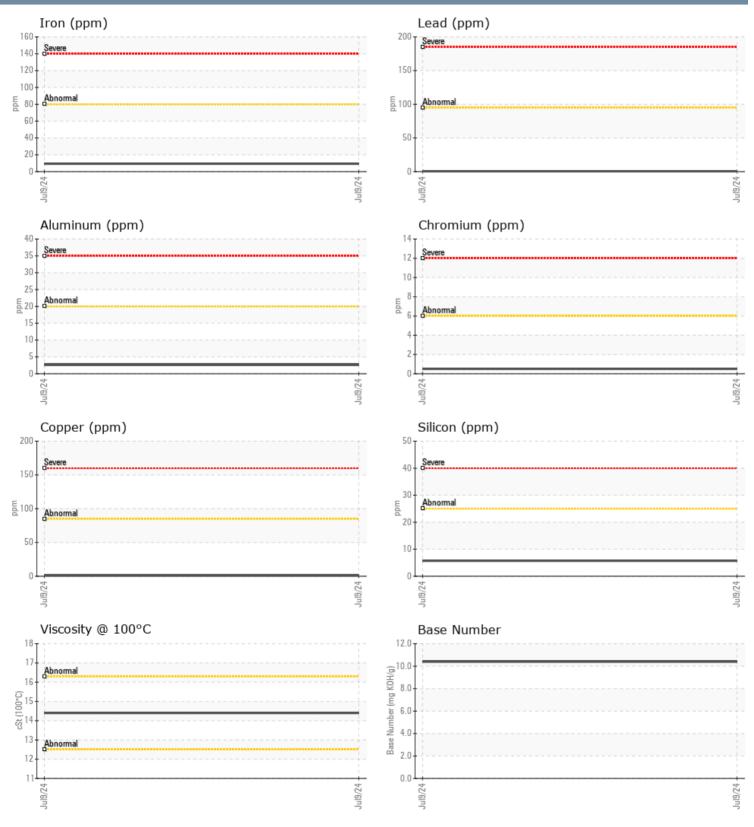
Contact/Location: JAMIE FLAHERTY - VP1130693



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: JAMIE FLAHERTY - VP1130693