OIL ANALYSIS REPORT

RANES RANES VOLVO PENTA A1115111 - STARBOARD DIESEL ENGINE

Sample No: VPA029899

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA029899			
Sample Date		19 Dec 2023			
Machine Hours		195			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		NORMAL			
OIL CONDITION					
Visc @ 100°C	cSt	13.3			
Base Number (BN)	mg KOH/g	10.0			
Oxidation (PA)	%	65			
C	,,,				
CONTAMINATION					
Water	%	NEG			
Soot %	%	0.6			
Nitration (PA)	%	57			
Sulfation (PA)	%	58			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	30			
Sodium	ppm	5			
Potassium	ppm	 <1			
WEAR METALS					
Iron	ppm	36			
Copper	ppm	34			
Lead	ppm	1 6			
Tin	ppm	3			
Aluminum	ppm	24			
Chromium	ppm	4			
Molybdenum	ppm	39			
Nickel	ppm	3			
Titanium	ppm	0			
Silver	ppm	0			
Manganese	ppm	1			
Vanadium	ppm	0			
Vanadiam	ppin	U			
ADDITIVES					
Calcium	ppm	2623			
Magnesium	ppm	186			
Zinc	ppm	1074			
Phosphorus	ppm	842			
Barium	ppm	□ <1			
bunum	PP111				

Suncoast Diesel Marine Inc.

610 Mount Vernan St OLDSMAR, FL US 34677 Contact: MARK WARREN oldsmar@suncoastdmi.com T: (813)475-5942 F: (813)475-5943

Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. 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:
 VP945077

 Unique No:
 10805130

 Signed:
 Sean Felton

 Report Date:
 27 Dec 2023

220

ppm

Boron

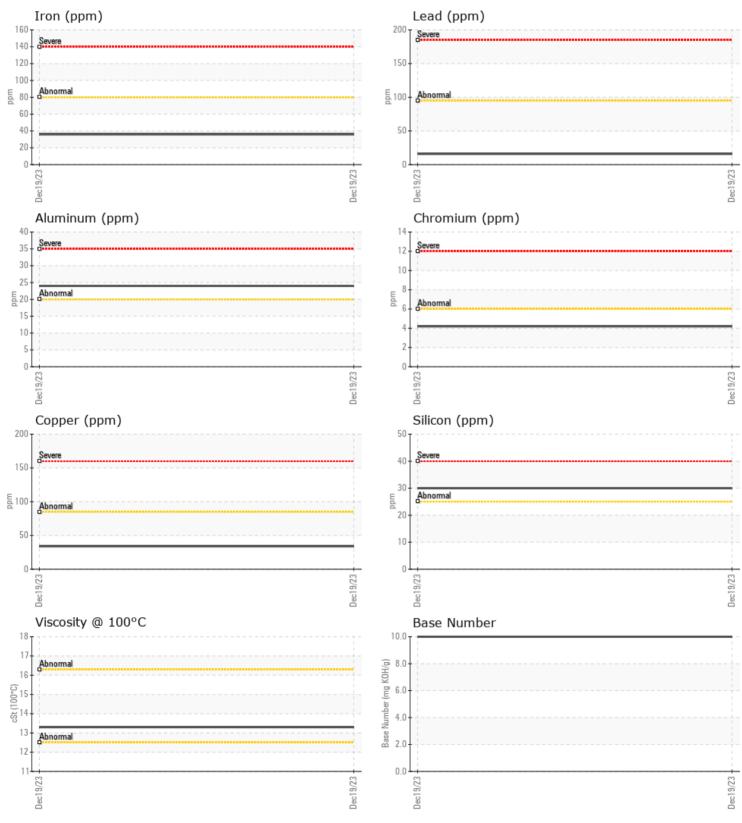
Contact/Location: MARK WARREN - VP945077



OIL ANALYSIS REPORT



GRAPHS



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Contact/Location: MARK WARREN - VP945077