OIL ANALYSIS REPORT

CRUZ VOLVO PENTA A406331 - STARBOARD DIESEL ENGINE

Sample No:VPA036209Oil Type:NOT GIVEN

SAMPLE INFORMATION					
Sample Number		VPA036209			
Sample Date		17 Nov 2023			
Machine Hours		0			
Oil Hours		0			
Oil Changed		Not Changd			
Sample Status		NORMAL			
OIL CONDITION					
Visc @ 40°C	cSt	98.2			
Visc @ 100°C	cSt	13.41			
Viscosity Index (VI)	Scale	136			
Base Number (BN)	mg KOH/g	10.0			
Oxidation (PA)	%	53			
CONTAMINATION					
Water	%	NEG			
Soot %	%	0			
Nitration (PA)	%	38			
Sulfation (PA)	%	49			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	∎4			
Sodium	ppm	1			
Potassium	ppm	□1			
	I. I.	_			
WEAR METALS					
Iron	ppm	6			
Copper	ppm	 <1			
Lead	ppm	 <1			
Tin	ppm	0			
Aluminum	ppm	 <1			
Chromium	ppm	0			
Molybdenum	ppm	56			
Nickel	ppm	0			
Titanium	ppm	□ <1			
Silver	ppm	0			
Manganese	ppm	0			
Vanadium	ppm	0			
ADDITIVES					
Calcium	ppm	1042			
Magnesium	ppm	992			
Zinc	ppm	■ 1310			
Phosphorus	ppm	1076			
Barium	ppm				
Boron	ppm	2			
DOIOII	ppm	 L			

MARINE DIESEL SERVICES INC

1711 WHITTIER AVE, SUITE B COSTA MESA, CA US 92627 Contact: BEN ALMAZAN marinedieselservices@outlook.com,BEN@MARINEDIESELSERVICE.COM T: (949)612-8180 F: x:

Diagnosis

No corrective action is recommended at this time. 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.

Report Id: VP288530 [WUSCAR] 06016739 (Generated: 12/01/2023 10:58:18) Rev: 2

Contact/Location: BEN ALMAZAN - VP288530

VP288530

10755883

Doug Bogart

01 Dec 2023

Depot:

Signed:

Unique No:

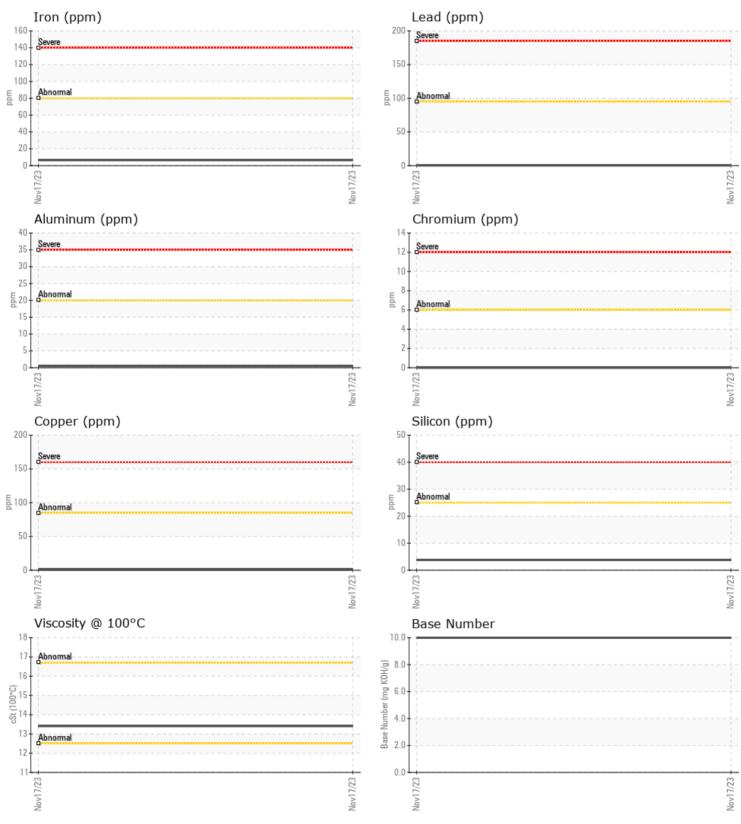
Report Date:



OIL ANALYSIS REPORT



GRAPHS



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