OIL ANALYSIS REPORT

OUICK SPIN OUICK SPIN FISCHER PANDA CO2-090-004 - CENTER GENSET

Sample No: VPA055223

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number		VPA055223	 	
Sample Date		18 Oct 2023	 	
Machine Hours		514	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	15.2	 	
Base Number (BN)	mg KOH/g	9.3	 	
Oxidation (PA)	%	53	 	
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	39	 	
Sulfation (PA)	%	47	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	6	 	
Sodium	ppm	4	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	3	 	
Copper	ppm	■ <1	 	

Iron	ppm	3	 	
Copper	ppm	 <1	 	
Lead	ppm	0	 	
Tin	ppm	 <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	 <1	 	
Molybdenum	ppm	58	 	
Nickel	ppm	0	 	
Titanium	ppm	6	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

AD<u>DITIVES</u>

Calcium	ppm	1156	 	
Magnesium	ppm	917	 	
Zinc	ppm	1207	 	
Phosphorus	ppm	969	 	
Barium	ppm	0	 	
Boron	ppm	23	 	

MARINE DIESEL SERVICES INC

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

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:
 VP288530

 Unique No:
 10701304

 Signed:
 Don Baldridge

 Report Date:
 21 Oct 2023

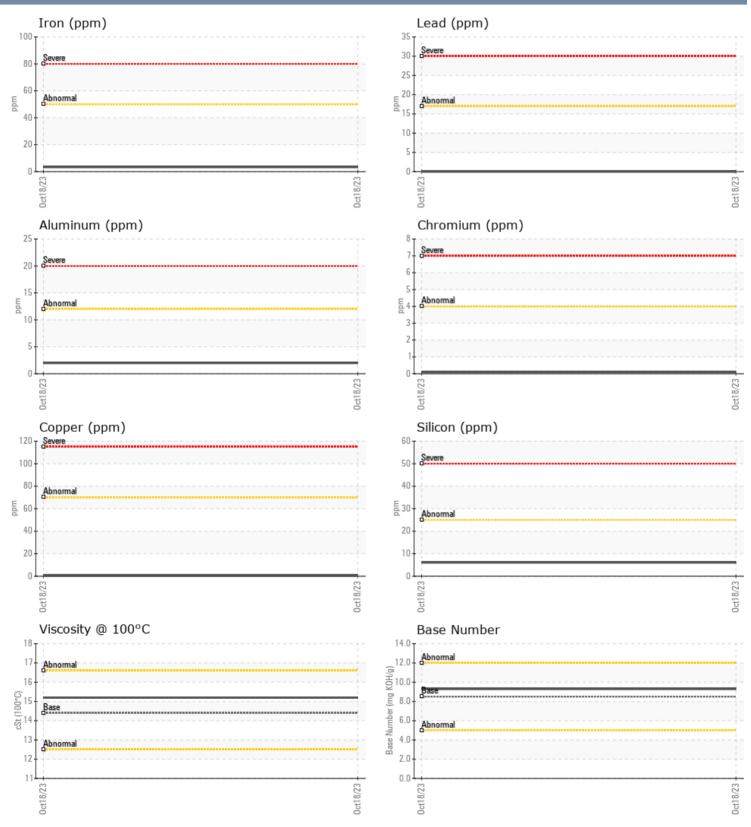
Contact/Location: BEN ALMAZAN - VP288530



OIL ANALYSIS REPORT



GRAPHS



Report Id: VP288530 [WUSCAR] 05984009 (Generated: 10/22/2023 18:09:32) Rev: 1

Contact/Location: BEN ALMAZAN - VP288530