# **OIL ANALYSIS REPORT**

## NORTHLIGHT/3299 FISCHER PANDA 2100211 - CENTER GENSET

Sample No: VPA049523

Oil Type: SHELL 15W40

#### SAMPLE INFORMATION Sample Number VPA049523 29 Nov 2023 Sample Date Machine Hours 132 **Oil Hours** 0 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 13.5 Base Number (BN) mg KOH/g 8.6 Oxidation (PA) % 63 CONTAMINATION % NEG Water % Soot % 0.1 Nitration (PA) % 48 54 % Sulfation (PA) Glycol % NEG Fuel % <1.0 Silicon 4 ppm Sodium ppm 0 🔲 Potassium 8 🔲 ppm WEAR METALS Iron 7 ppm 1 Copper ppm Lead 0 🔲 ppm

lin	ppm	0	 	
Aluminum	ppm	<b>1</b>	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	6	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITIVES				
Calcium	ppm	2435	 	
Magnesium	ppm	27	 	
Zinc	ppm	1132	 	
Phosphorus	ppm	<b>1000</b>	 	
Barium	ppm	0	 	
Boron	ppm	<b>193</b>	 	

#### **GRAND BANKS**

450 SW SALEM RD STUART, FL US 34994 Contact: ROBERT ANTONA roberta@gbmarinegroup.com T: (609)384-5290 F:

### 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:
 VP531377

 Unique No:
 10769486

 Signed:
 Sean Felton

 Report Date:
 06 Dec 2023

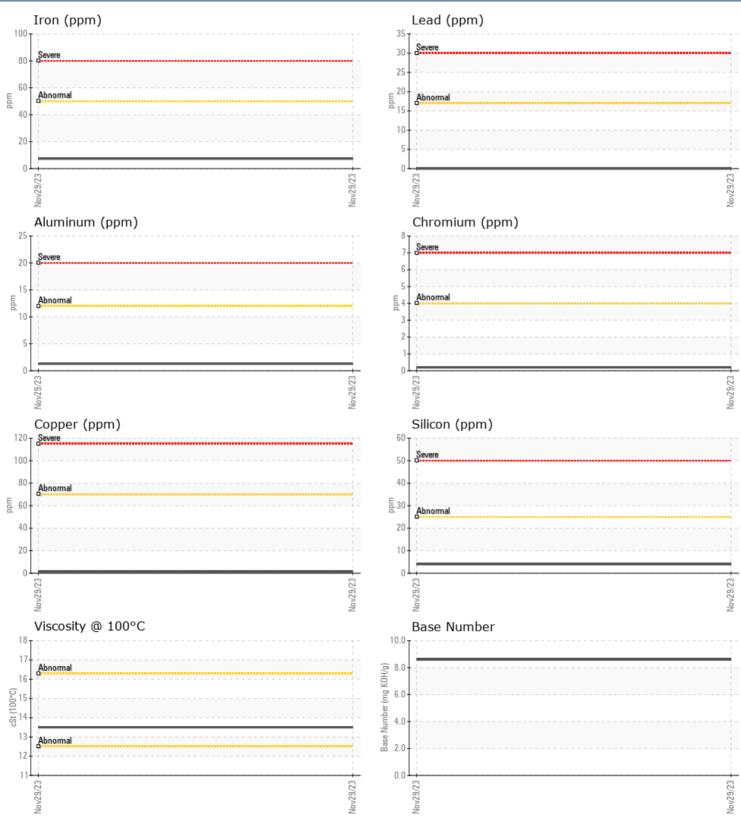
Contact/Location: ROBERT ANTONA - VP531377



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### GRAPHS



Report Id: VP531377 [WUSCAR] 06024986 (Generated: 12/06/2023 15:55:50) Rev: 1

Contact/Location: ROBERT ANTONA - VP531377