## **OIL ANALYSIS REPORT**

### 92 LAZZARA VOLVO PENTA 7011235471 - PORT DIESEL ENGINE

Sample No: VPA046307

Oil Type: DIESEL ENGINE OIL SAE 40

#### SAMPLE INFORMATION Sample Number VPA046307 11 Jul 2023 Sample Date Machine Hours 2591 **Oil Hours** 0 Oil Changed Not Changd NORMAL Sample Status **OIL CONDITION** F: Visc @ 100°C cSt 12.9 Base Number (BN) mg KOH/g 9.9 Oxidation (PA) % 56 CONTAMINATION Soot % % 0.1 % Nitration (PA) 43 Sulfation (PA) % 51 % NEG Glycol Fuel % <1.0 Silicon ppm 6 Sodium 0 🔲 ppm Potassium ppm 2 WEAR METALS

Iron	ppm	5	 	
Copper	ppm	2	 	
Lead	ppm	<b>□</b> <1	 	
Tin	ppm	<b>■</b> <1	 	
Aluminum	ppm	8	 	
Chromium	ppm	<b>  </b> <1	 	
Molybdenum	ppm	51	 	
Nickel	ppm	<b>■</b> <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>□</b> <1	 	
Vanadium	ppm	0	 	

#### ADDITIVES

Calcium	ppm	1171	 	
Magnesium	ppm	770	 	
Zinc	ppm	1158	 	
Phosphorus	ppm	996	 	
Barium	ppm	0	 	
Boron	ppm	<b>15</b>	 	



Marine International Diesels Inc. 3600 HACIENDA BLVD UNIT G DAVIE, FL US 33314 Contact: service manager service@midiflorida.com T:

#### 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 suitable for further service.

 Depot:
 VP694356

 Unique No:
 10561134

 Signed:
 Doug Bogart

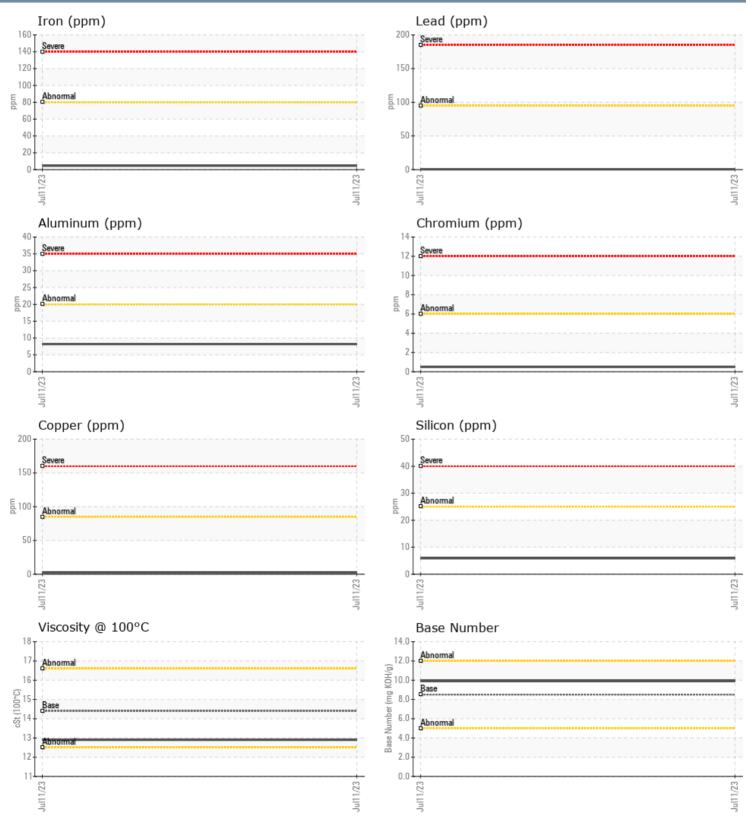
 Report Date:
 18 Jul 2023

Contact/Location: service manager - VP694356

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#### GRAPHS



Report Id: VP694356 [WUSCAR] 05899778 (Generated: 07/20/2023 22:07:27) Rev: 1

Contact/Location: service manager - VP694356