## **OIL ANALYSIS REPORT**

### MOLINO 4465 VOLVO PENTA 70112026407 - STARBOARD DIESEL ENGINE

Sample No: VPA054203

Oil Type: DIESEL ENGINE OIL SAE 15W40

#### SAMPLE INFORMATION

Sample Number		VPA054203	 	
Sample Date		11 Mar 2024	 	
Machine Hours		318	 	
Oil Hours		74	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.9	 	
Base Number (BN)	mg KOH/g	9.1	 	
Oxidation (PA)	%	63	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.4	 	
Nitration (PA)	%	62	 	
Sulfation (PA)	%	54	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	9	 	
Sodium	ppm	<b>■</b> <1	 	
Potassium	ppm	<b>1</b>	 	
WEAR METALS				
Iron	ppm	6	 	
Copper	ppm	26	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	<b>■</b> <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	<b>■</b> <1	 	
Molybdenum	ppm	<b>48</b>	 	
Nickel	ppm	<b>■</b> <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>0</b>	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1360	 	
Magnesium	ppm	540	 	
Zinc	ppm	1135	 	
Phosphorus	ppm	936	 	
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Jas Marine Service Inc

3131 SW 2Nd Ave. FORT LAUDERDALE, FL US 33315 Contact: JASON TOLEDO jason@jasmarine.com T: (954)462-1112 r.

#### 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.

 Depot:
 VP426065

 Unique No:
 10925781

 Signed:
 Doug Bogart

 Report Date:
 14 Mar 2024

ppm

ppm

0 🔲

23

Barium

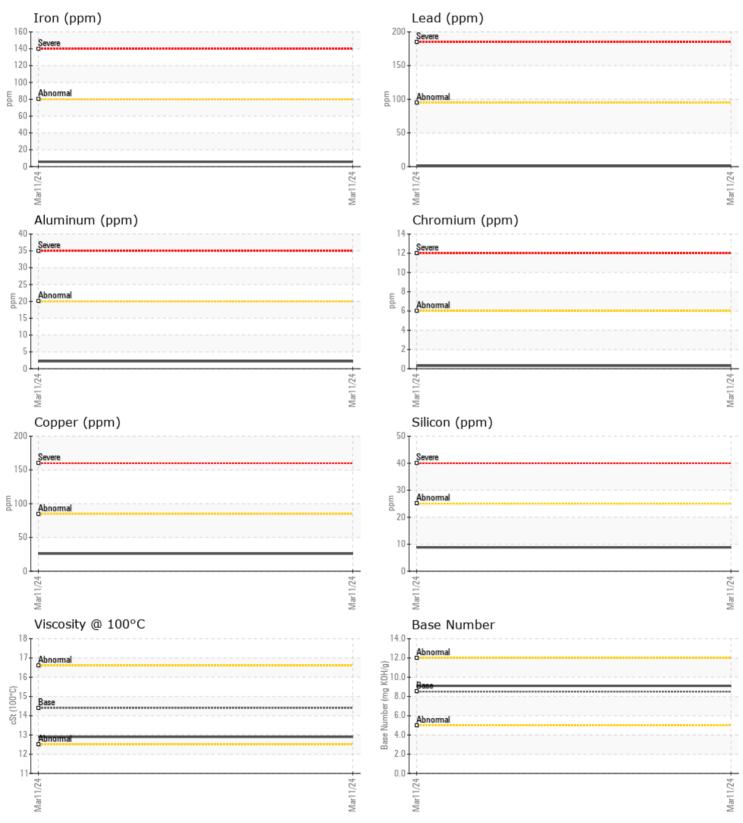
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Contact/Location: JASON TOLEDO - VP426065

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#### GRAPHS



Report Id: VP426065 [WUSCAR] 06116948 (Generated: 03/14/2024 09:26:13) Rev: 1

Contact/Location: JASON TOLEDO - VP426065