# [[01-26544]] MERCRUISER OL394289 - STARBOARD DIESEL ENGINE

Sample No: WA0019419

**Oil Type:** SIERRA 25W40

### SAMPLE INFORMATION

Sample Number		WA0019419	 	
Sample Date		11 Apr 2024	 	
Machine Hours		995	 	
Oil Hours		100	 	
Oil Changed		Changed	 	
Sample Status		MARGINAL	 	
OIL COND	ITION			
Visc @ 100°C	cSt	12.9	 	
Base Number (BN)	mg KOH/g	6.64	 	
Oxidation (PA)	%	42	 	
CONTAMI	NATION			
Water	%	NEG	 	
Soot %	%	0	 	
Nitration (PA)	%	59	 	
Sulfation (PA)	%	51	 	
Glycol	%	NEG	 	
Fuel	%	<b>4</b> .9	 	
Silicon	ppm	<b>15</b>	 	
Sodium	ppm	<b>12</b>	 	
Potassium	ppm	2	 	

#### WEAR METALS

Iron	ppm	<b>1</b> 4	 	
Copper	ppm	25	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	□ <1	 	
Aluminum	ppm	3	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	13	 	
Nickel	ppm	□ <1	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	9	 	
Vanadium	ppm	0	 	

#### **ADDITIVES**

Calcium	ppm	2051		 		
Magnesium	ppm	<b>16</b>		 	Depot:	CHA122QUE
Zinc	ppm	943		 	Unique No:	5763171
Phosphorus	ppm	753		 	Signed:	Wes Davis
Barium	ppm	0		 	Report Date:	22 Apr 2024
Boron	l ppm	36	08:43 <u>:45</u> ) Rev: 1	 Contact/L	ocation: Service	Manager - CHA122QUE

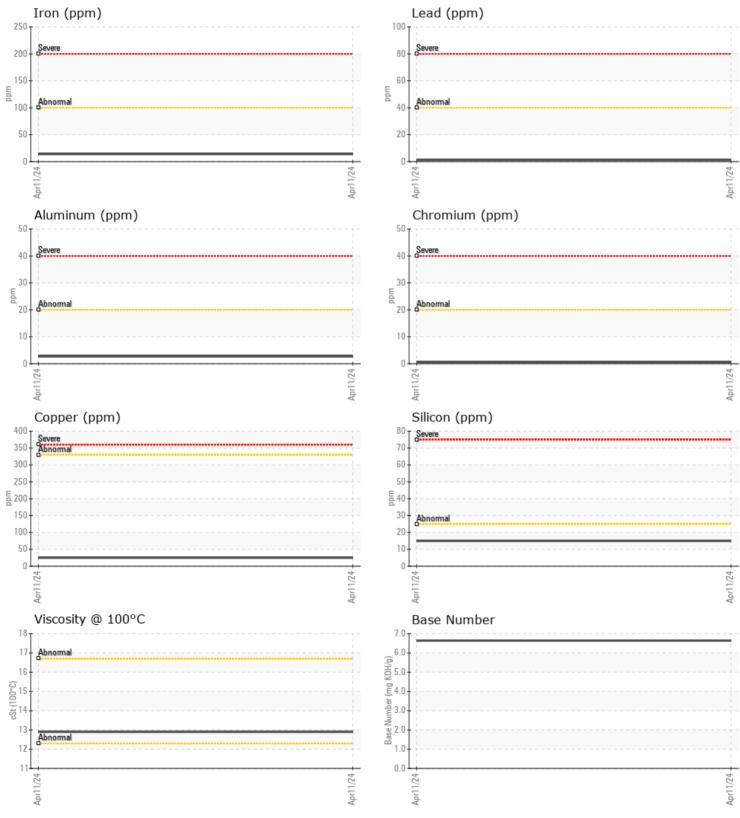
#### **CHANTIER BLYACHT**

1225 BOUL. CHAMPLAIN QUEBEC, QC CA G1K 0A2 Contact: Service Manager rboulet@chantierblyacht.com T: (514)961-2206 F:

#### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected 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.

## GRAPHS



Report Id: CHA122QUE [WCAMIS] 02630039 (Generated: 04/29/2024 08:43:47) Rev: 1

Contact/Location: Service Manager - CHA122QUE