

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **SMALL BOAT FRC 2**

Diesel Engine

{not provided} (--- QTS)

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### Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

### Contamination

There is no indication of any contamination in the

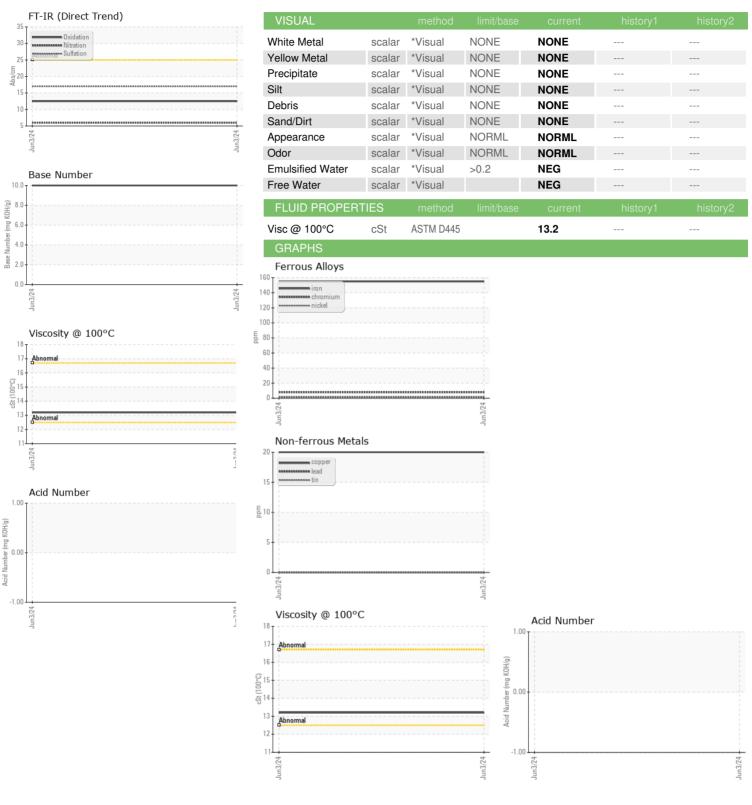
### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	MOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0946160		
Sample Date		Client Info		03 Jun 2024		
Machine Age	hrs	Client Info		100		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	155		
Chromium	ppm	ASTM D5185m	>20	8		
Nickel	ppm	ASTM D5185m	>2	2		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m		20		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m		20		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		59		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		1193		
Calcium	ppm	ASTM D5185m		1126		
Phosphorus	ppm	ASTM D5185m		1136		
Zinc	ppm	ASTM D5185m		1387		
Sulfur	ppm	ASTM D5185m		5159		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12		
Sodium	ppm	ASTM D5185m	00	4		
Potassium	ppm	ASTM D5185m	>20	17		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	6.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.5		
Base Number (BN)	mg KOH/g	ASTM D2896		10.0		



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

: WC0946160 Lab Number : 06211319 Unique Number : 11084183

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jun 2024 **Tested** 

: 20 Jun 2024 : 20 Jun 2024 - Jonathan Hester Diagnosed Test Package : MAR 2 ( Additional Tests: TAN Man )

222 PEARL ST NEW ALBANY, IN US 47150 Contact: PETER CHARBONNET

PCHARBONNET@HMS-SEAWARD.COM

**SEAWARD SERVICES** 

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: SEANEW [WUSCAR] 06211319 (Generated: 06/23/2024 01:38:20) Rev: 1

Contact/Location: PETER CHARBONNET - SEANEW

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