



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Area  
**(MMSI 31602) 360 MARINE LTD**  
 Machine Id  
**FISH PROCESSOR MV 360 COMMANDER**  
 Component  
**Bulk Tank New (Unused) Oil**  
 Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

**RECOMMENDATION**

This is the baseline readout on this new (unused) oil. The fluid is suitable for service. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. DISCLAIMER: Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified. ( Customer Sample Comment: New Unused Oil in bulk storage tank )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>OF0000563</b>	---	---
Sample Date		Client Info		<b>19 Mar 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>MARGINAL</b>	---	---

**WEAR**

{not applicable}

Iron	ppm	ASTM D5185(m)		<b>2</b>	---	---
Chromium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)		<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)		<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)		<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)		<b>0</b>	---	---
Tin	ppm	ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

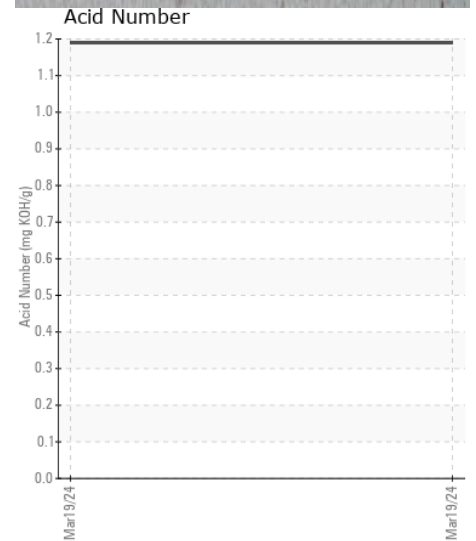
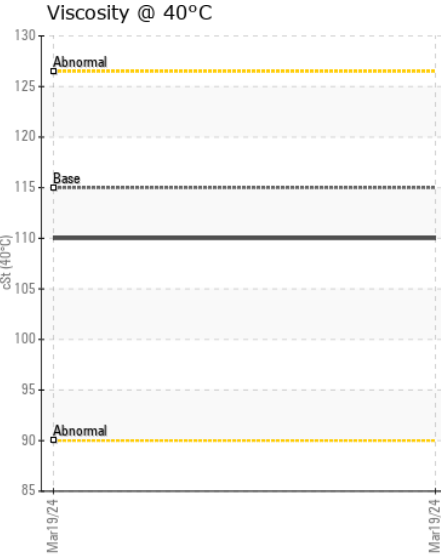
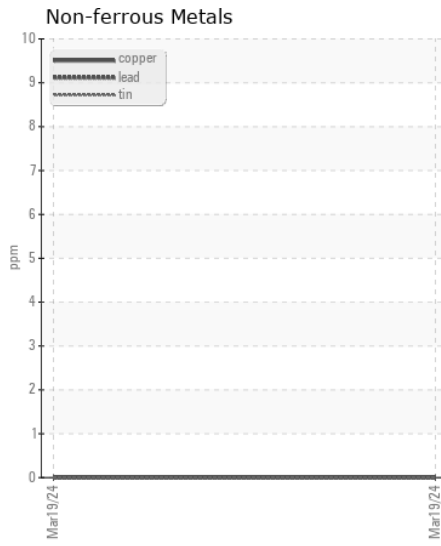
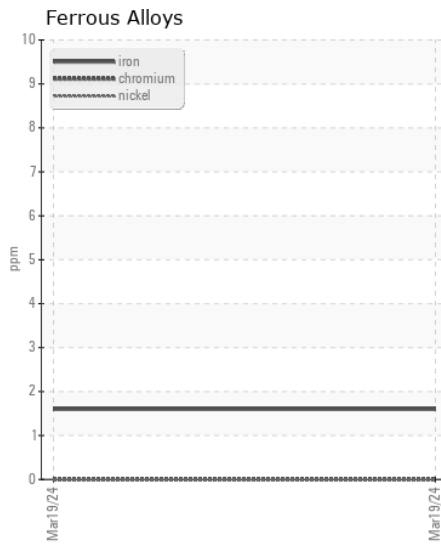
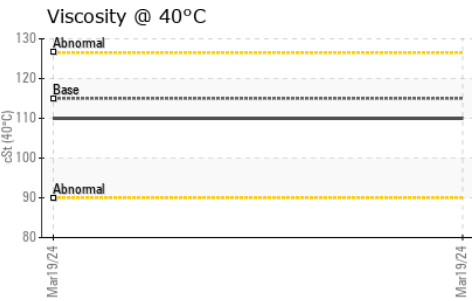
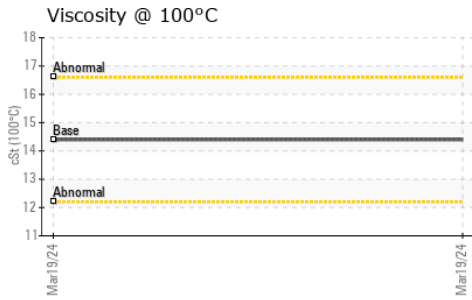
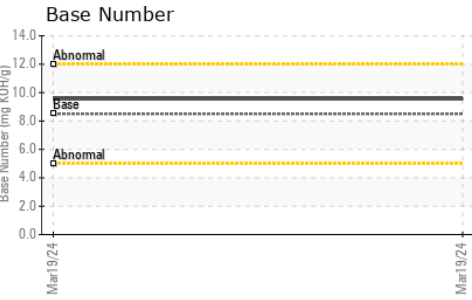
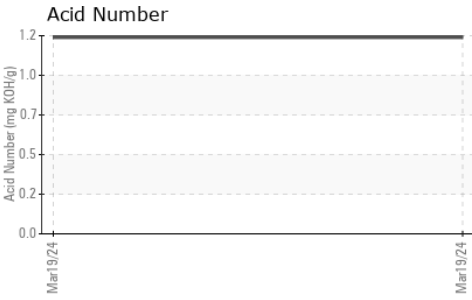
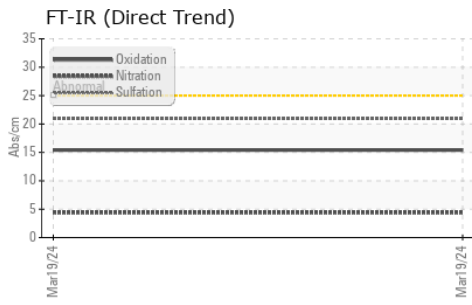
Light concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185(m)		<b>5</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Water		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*		<b>4.4</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*		<b>20.9</b>	---	---
Particles >4µm		ASTM D7647	>5000	<b>28393</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>6199</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>220</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>48</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>3</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>2</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>22/20/15</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>▲ VLITE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*		<b>NEG</b>	---	---

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sodium	ppm	ASTM D5185(m)	>158	<b>2</b>	---	---
Boron	ppm	ASTM D5185(m)	250	<b>330</b>	---	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>93</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	450	<b>530</b>	---	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1480</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>770</b>	---	---
Zinc	ppm	ASTM D5185(m)	1350	<b>870</b>	---	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2350</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*		<b>15.4</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>1.19</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	<b>9.56</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	115	<b>110</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>14.4</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	126	<b>133</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : OF0000563  
**Lab Number** : 02628273  
**Unique Number** : 5761405  
**Test Package** : MOB 2 ( Additional Tests: Bottom, BottomAnalysis, FILTERPATCH, FT-IR, ICP-NewOil, KV100, PrtCo

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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.