



TRAAP

Texas Refinery Advanced Analysis Program

# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**ONAN H050815354**

Component  
**Genset**

Fluid  
**TRC MOLY XL PRO-SPEC III SYNTHETIC15W40 (1 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TR05699921</b>	---	---
Sample Date		Client Info		<b>20 Oct 2022</b>	---	---
Machine Age	hrs	Client Info		<b>790</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>25	<b>22</b>	---	---
Chromium	ppm	ASTM D5185m	>5	<b>1</b>	---	---
Nickel	ppm	ASTM D5185m	>5	<b>2</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	>5	<b>1</b>	---	---
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>10	<b>6</b>	---	---
Copper	ppm	ASTM D5185m	>20	<b>13</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>2</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

## CONTAMINATION

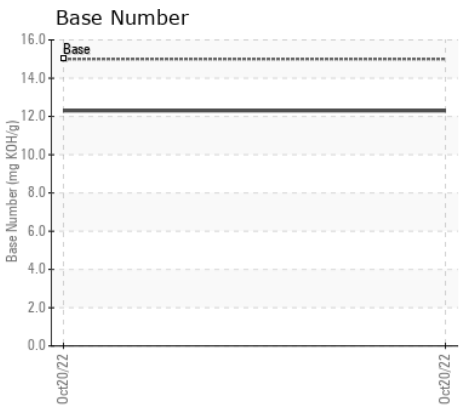
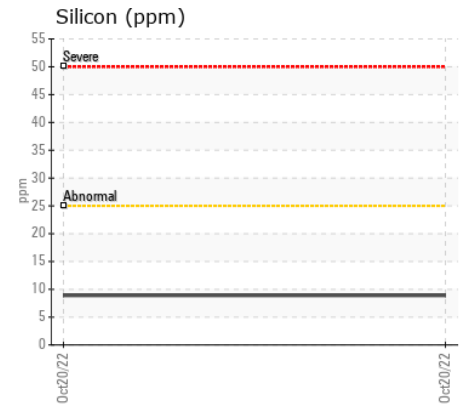
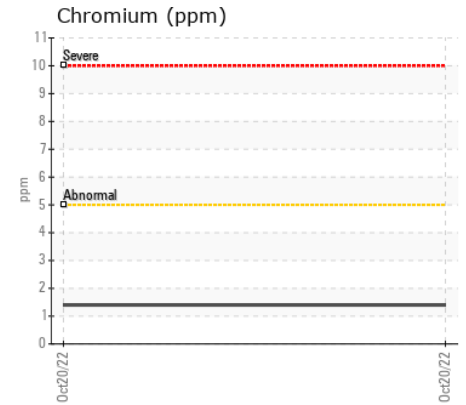
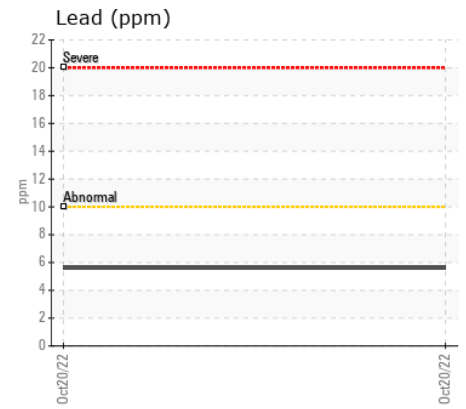
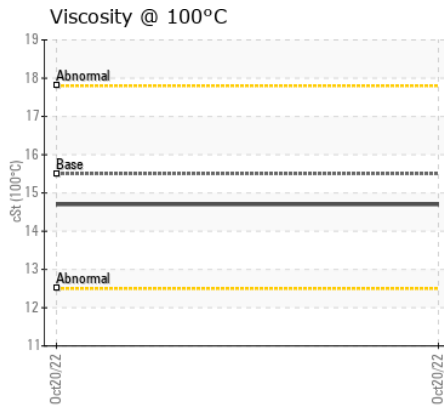
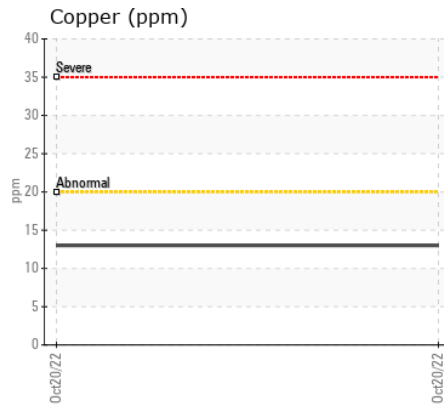
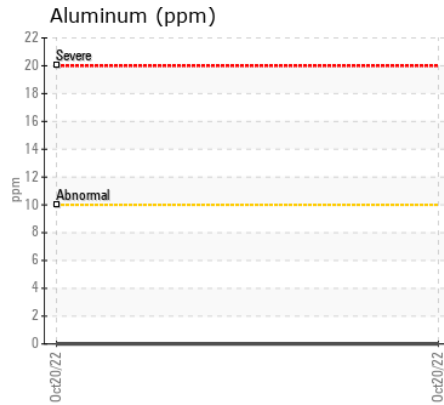
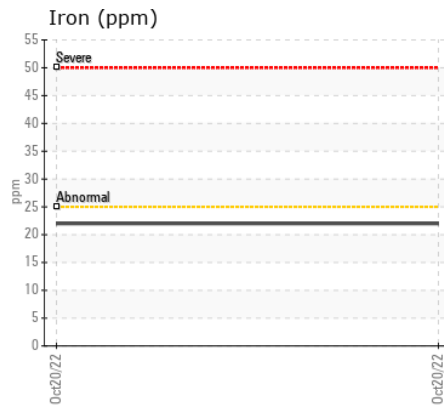
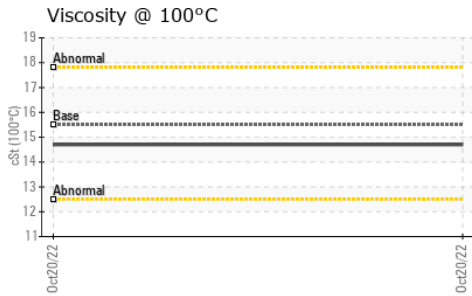
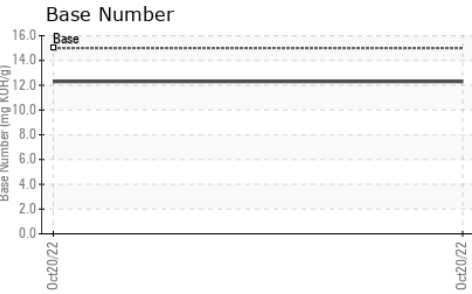
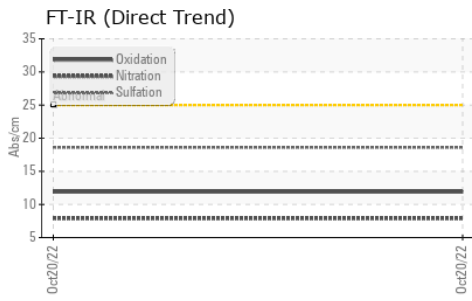
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>9</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	---	---
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	*ASTM D7844		<b>0.2</b>	---	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.9</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.6</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</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	>0.1	<b>NEG</b>	---	---

## 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.

Sodium	ppm	ASTM D5185m		<b>2</b>	---	---
Boron	ppm	ASTM D5185m		<b>110</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>115</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>302</b>	---	---
Calcium	ppm	ASTM D5185m	4500	<b>3257</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>892</b>	---	---
Zinc	ppm	ASTM D5185m	1400	<b>1070</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>4356</b>	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>11.9</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	15	<b>12.3</b>	---	---
Visc @ 100°C	cSt	ASTM D445	15.5	<b>14.7</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TR05699921  
**Lab Number** : 05699921  
**Unique Number** : 10229495  
**Test Package** : MOB 2  
**Received** : 21 Nov 2022  
**Tested** : 22 Nov 2022  
**Diagnosed** : 23 Nov 2022 - Don Baldrige

**STEPHEN MARTORELLA**  
 181 BUCKNAM ST  
 EVERETT, MA  
 US 02149  
 Contact: STEPHEN MARTORELLA  
 17SGM17@GMAIL.COM

To discuss this sample report, contact Customer Service at 1-800-827-0711.

\* - 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)

T:  
F: