

Thunder Machine Id

7419811

Port Main Engine

TUXTON HD SYNTHETIC BLEND 15W40 (38 LTR)

TOXTON TID STNTILLIG DELIND 15W40 (50 ET							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0868697		
	Sample Date		Client Info		29 May 2024		
	Machine Age	hrs	Client Info		500		
	Oil Age	hrs	Client Info		500		
	Filter Age	hrs	Client Info		500		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185(m)	<u>\75</u>	9		
All component wear rates are normal.	Chromium	ppm	ASTM D5185(m)		ء <1		
	Nickel		ASTM D5185(m)		0		
	Titanium	ppm ppm	ASTM D5185(m)		0		
	Silver	ppm	ASTM D5185(m)		0		
	Aluminum	ppm		>15	1		
	Lead	ppm	ASTM D5185(m)		0		
	Copper	ppm	ASTM D5185(m)		4		
	Tin	ppm	ASTM D5185(m)		0		
	Vanadium	ppm	ASTM D5185(m)		0		
		1-1-			-		
CONTAMINATION	Silicon	ppm	ASTM D5185(m)	>20	8		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185(m)	>20	<1		
	Fuel		WC Method	>4.0	<1.0		
	Water		WC Method	>0.1	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	ASTM D7844*		0.1		
	Nitration	Abs/cm	ASTM D7624*	>20	7.9		
	Sulfation	Abs/.1mm	ASTM D7415*	>30	18.0		
	Emulsified Water	scalar	Visual*	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)	>75	2		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185(m)		31		
	Barium	ppm	ASTM D5185(m)		<1		
	Molybdenum	ppm	ASTM D5185(m)		76		
	Manganese	ppm	ASTM D5185(m)		<1		
	Magnesium	ppm	ASTM D5185(m)		313		
	Calcium	ppm	ASTM D5185(m)		1755		
	Phosphorus	ppm	ASTM D5185(m)		988		
	Zinc	ppm	ASTM D5185(m)		1131		
	Sulfur	ppm	ASTM D5185(m)		2930		

Oxidation

Visc @ 100°C cSt

Contact/Location: Evan Dubblestyne - HORNBLNC

13.4

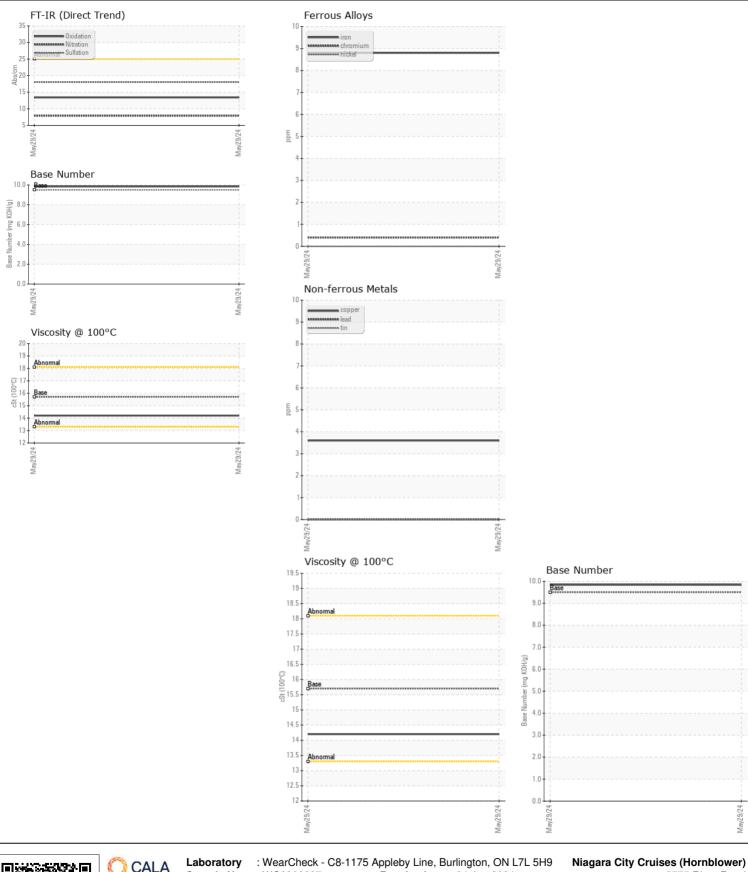
9.84

14.2

Abs/.1mm ASTM D7414* >25

ASTM D7279(m) 15.7

Base Number (BN) mg KOH/g ASTM D2896* 9.5



CALA Sample No. : WC0868697 Received : 24 Jun 2024 5775 River Road 5 Lab Number : 02643598 Tested : 25 Jun 2024 Niagara Falls, ON ISO 17025:2017 Accredited Laboratory Unique Number : 5801137 Diagnosed : 25 Jun 2024 - Wes Davis CA L2G 3K9 Test Package : MAR 2 Contact: Evan Dubblestyne To discuss this sample report, contact Customer Service at 1-800-268-2131. evan.dubblestyne@cityexperiences.com Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (519)373-4663 Validity of results and interpretation are based on the sample and information as supplied. F: x: