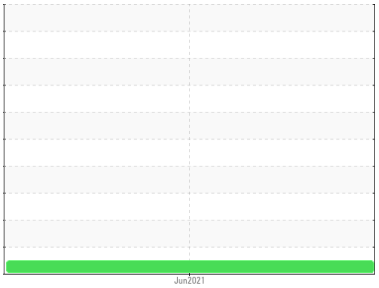
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
IRVING 10% MOBIL 90%
Component
Unknown Component
Fluid
IRVING MTX 3040 10% MOBIL GUARD 430 90% (--- GAL)

DIAGNOSIS

Recommendation
This is a baseline read-out on the submitted sample.

Wear
{not applicable}

Contamination
{not applicable}

Fluid Condition
{not applicable}

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PP**	---	---
Sample Date		Client Info		**21 Jun 2021**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**NORMAL**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		**2**	---	---
Chromium	ppm	ASTM D5185(m)		**0**	---	---
Nickel	ppm	ASTM D5185(m)		**<1**	---	---
Titanium	ppm	ASTM D5185(m)		**0**	---	---
Silver	ppm	ASTM D5185(m)		**<1**	---	---
Aluminum	ppm	ASTM D5185(m)		**3**	---	---
Lead	ppm	ASTM D5185(m)		**<1**	---	---
Copper	ppm	ASTM D5185(m)		**<1**	---	---
Tin	ppm	ASTM D5185(m)		**0**	---	---
Antimony	ppm	ASTM D5185(m)		**0**	---	---
Vanadium	ppm	ASTM D5185(m)		**<1**	---	---
Beryllium	ppm	ASTM D5185(m)		**0**	---	---
Cadmium	ppm	ASTM D5185(m)		**0**	---	---

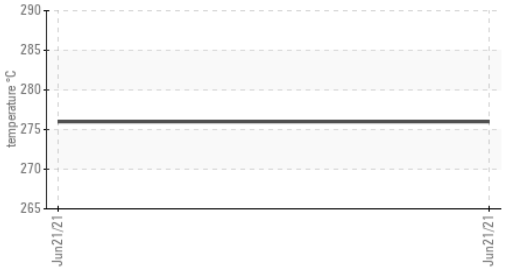
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**2**	---	---
Barium	ppm	ASTM D5185(m)		**<1**	---	---
Molybdenum	ppm	ASTM D5185(m)		**<1**	---	---
Manganese	ppm	ASTM D5185(m)		**2**	---	---
Magnesium	ppm	ASTM D5185(m)		**31**	---	---
Calcium	ppm	ASTM D5185(m)		**10678**	---	---
Phosphorus	ppm	ASTM D5185(m)		**237**	---	---
Zinc	ppm	ASTM D5185(m)		**260**	---	---
Sulfur	ppm	ASTM D5185(m)		**5564**	---	---
Lithium	ppm	ASTM D5185(m)		**<1**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**16**	---	---
Sodium	ppm	ASTM D5185(m)		**1**	---	---
Potassium	ppm	ASTM D5185(m)	>20	**1**	---	---

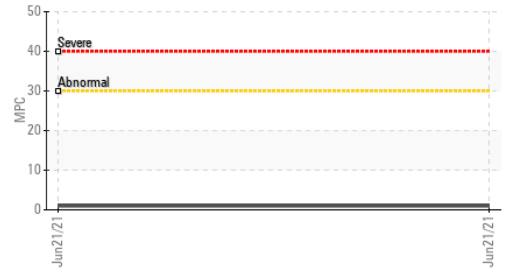
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		**1.01**	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		**32.39**	---	---
Anti-Oxidant 1	%	ASTM D6971*	<25	**100**	---	---
MPC Varnish Potential	Scale	ASTM D7843(m)*	>15	**1**	---	---

OIL ANALYSIS REPORT

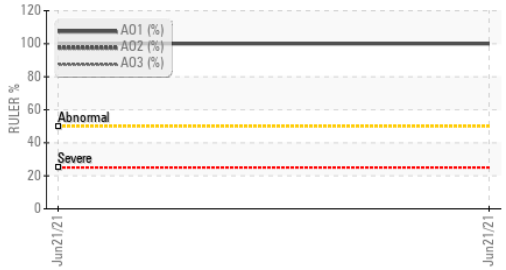
Flash Point (°C)



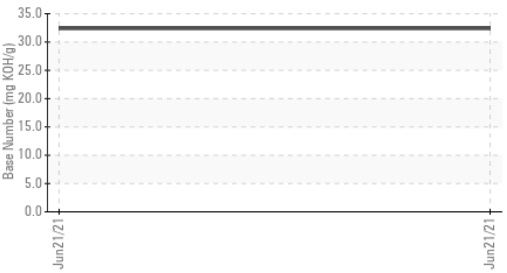
Varnish Potential



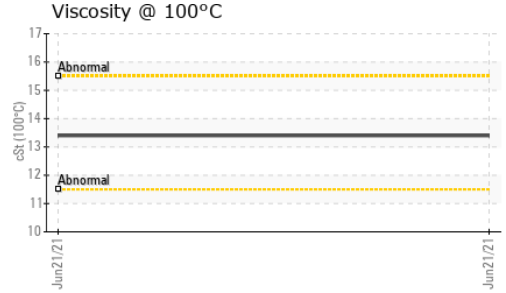
Remaining Life (RULER)



Base Number



Viscosity @ 100°C



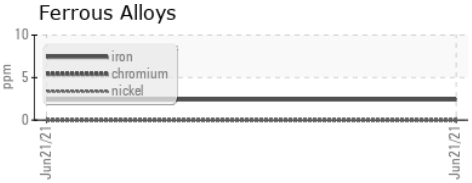
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	---	---
Yellow Metal	scalar	Visual*	NONE	**NONE**	---	---
Precipitate	scalar	Visual*	NONE	**NONE**	---	---
Silt	scalar	Visual*	NONE	**NONE**	---	---
Debris	scalar	Visual*	NONE	**NONE**	---	---
Sand/Dirt	scalar	Visual*	NONE	**NONE**	---	---
Appearance	scalar	Visual*	NORML	**NORML**	---	---
Odor	scalar	Visual*	NORML	**NORML**	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		**130**	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		**13.4**	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		**97**	---	---
Pour Point	°C	ASTM D97*		**-9**	---	---
COC Flash Point	°C	ASTM D92*		**276**	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*
MPC				*no image*	*no image*

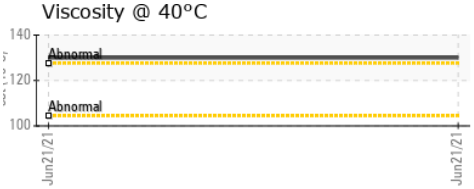
GRAPHS

Ferrous Alloys

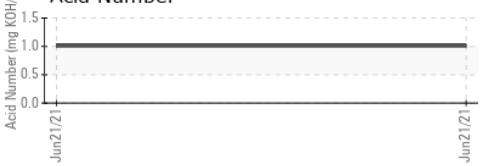


Non-ferrous Metals

Viscosity @ 40°C



Acid Number



ISO 17025:2017 Accredited Laboratory

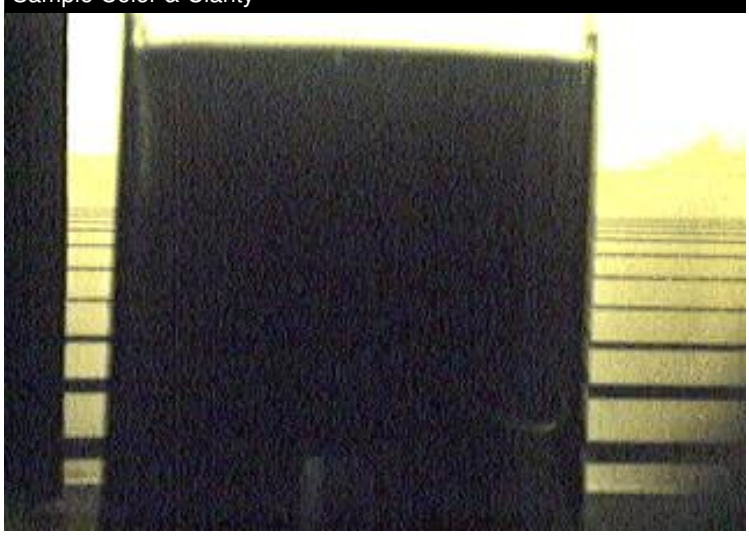
Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: PP	**Received**	: 22 Jun 2021
Lab Number	: 02428968	**Diagnosed**	: 30 Jun 2021
Unique Number	: 5240469	**Diagnostician**	: Bill Quesnel
Test Package	: TEST (Additional Tests: COC Flash, ICP, KV100, KV40, MPC, PourPt, RULer, TAN Auto, TAN Man, TBN, VI		

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.

Distributions F. Bouffard Inc
375 Chemin Principal
Cap-aux-Meules, QC
CA G4T 1E3
Contact: Fernand Bouffard
fabouffard18@hotmail.com
T: (418)986-4255
F: (418)986-6872

MPC (Varnish Test)

Sample Color & Clarity



This page left intentionally blank