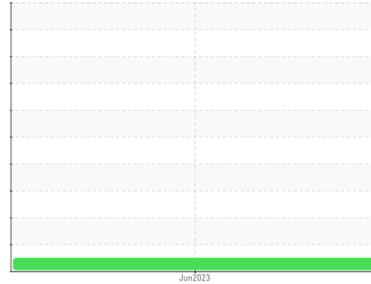




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
DENNIS BOTTORFF
 Machine Id
[DENNIS BOTTORFF] DENNIS BOTTORFF - MENG - DELO 710 LS DENNIS BOTTORFF
 Component
New (Unused) Oil
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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 INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number	Client Info		MW0053819	---	---
Sample Date	Client Info		07 Jun 2023	---	---
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	history 1	history 2
Iron	ppm	ASTM D5185m	2	---	---
Chromium	ppm	ASTM D5185m	0	---	---
Nickel	ppm	ASTM D5185m	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m	0	---	---
Lead	ppm	ASTM D5185m	0	---	---
Copper	ppm	ASTM D5185m	<1	---	---
Tin	ppm	ASTM D5185m	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	76	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	52	---	---
Manganese	ppm	ASTM D5185m	0	---	---
Magnesium	ppm	ASTM D5185m	65	---	---
Calcium	ppm	ASTM D5185m	3016	---	---
Phosphorus	ppm	ASTM D5185m	68	---	---
Zinc	ppm	ASTM D5185m	75	---	---
Sulfur	ppm	ASTM D5185m	2322	---	---

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	5	---	---
Sodium	ppm	ASTM D5185m	0	---	---
Potassium	ppm	ASTM D5185m >20	2	---	---

INFRA-RED

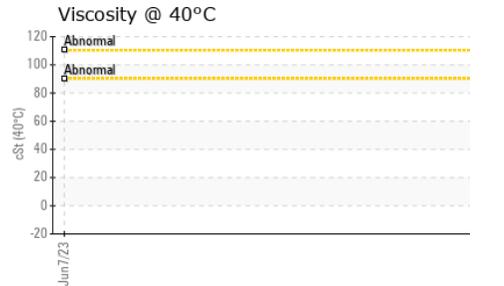
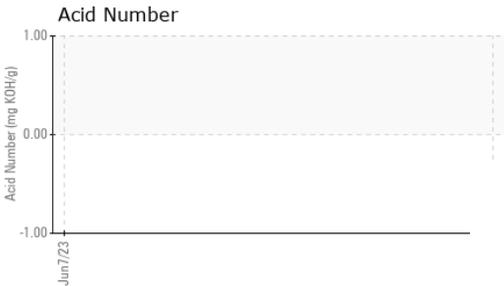
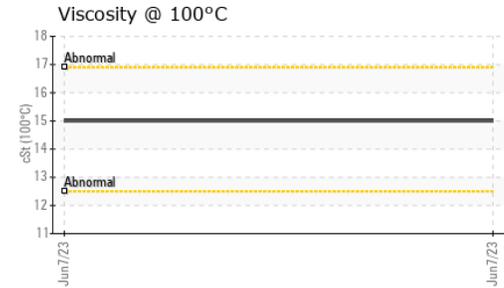
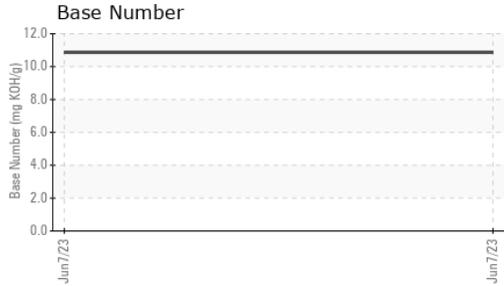
	method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	0.1	---	---
Nitration	Abs/cm	*ASTM D7624	4.3	---	---
Sulfation	Abs/.1mm	*ASTM D7415	15.2	---	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	9.7	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.87	---	---



OIL ANALYSIS REPORT



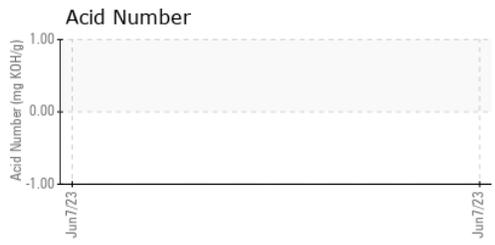
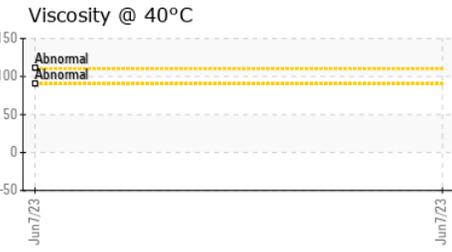
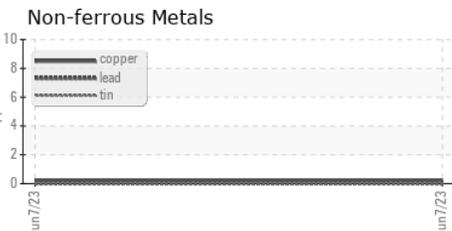
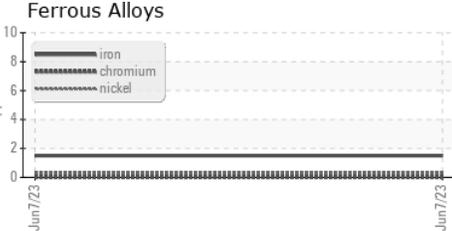
VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual		NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 100°C	cSt	ASTM D445	15.0	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0053819 **Received** : 20 Jun 2023
Lab Number : 05879057 **Diagnosed** : 27 Jun 2023
Unique Number : 10524160 **Diagnostician** : Jonathan Hester

INGRAM BARGE
 900 S 3RD ST
 PADUCAH, KY
 US 42003

Test Package : MAR 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TBN, Cont) **Contact:** ANTHONY VAN CURA

anthonyc.vancura@ingrambarga.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

T: (270)415-4467

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

F: (615)695-3697

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