



PROBLEM SUMMARY

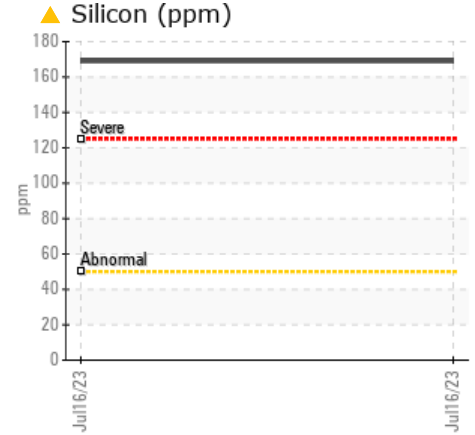
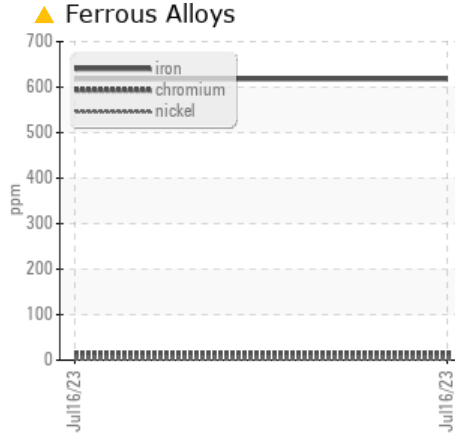
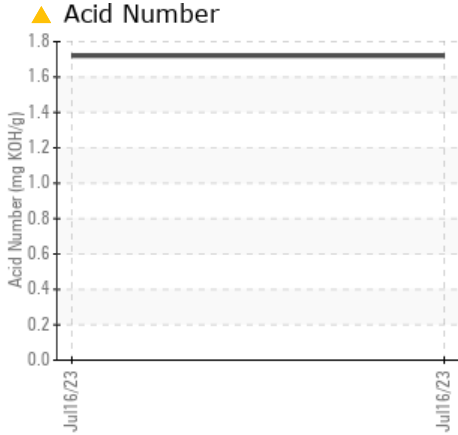
Sample Rating Trend



SHIPPING HOIST

Machine Id
 Component
Gearbox
 Fluid
SCHAEFFER MOLY FULL SYN GEAR OIL (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>200	▲ 618	---	---
Silicon	ppm	ASTM D5185m	>50	▲ 169	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 1.72	---	---

Customer Id: NATEAS
 Sample No.: PCA0100289
 Lab Number: 05900106
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Angela Borella +1 800-237-1369
angela.borella@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
SHIPPING HOIST

Component
Gearbox

Fluid
SCHAEFFER MOLY FULL SYN GEAR OIL (--- GAL)

DIAGNOSIS

- Recommendation**
We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.
- Wear**
The iron level is abnormal. All other component wear rates are normal.
- Contamination**
Elemental level of silicon (Si) above normal.
- Fluid Condition**
The AN level is above the recommended limit. The oil is no longer serviceable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0100289	---	---
Sample Date	Client Info		16 Jul 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	▲ 618	---	---
Chromium	ppm	ASTM D5185m >15	14	---	---
Nickel	ppm	ASTM D5185m >15	2	---	---
Titanium	ppm	ASTM D5185m	19	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	18	---	---
Lead	ppm	ASTM D5185m >100	0	---	---
Copper	ppm	ASTM D5185m >200	21	---	---
Tin	ppm	ASTM D5185m >25	1	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	130	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	237	---	---
Manganese	ppm	ASTM D5185m	9	---	---
Magnesium	ppm	ASTM D5185m	10	---	---
Calcium	ppm	ASTM D5185m	92	---	---
Phosphorus	ppm	ASTM D5185m	1109	---	---
Zinc	ppm	ASTM D5185m	32	---	---
Sulfur	ppm	ASTM D5185m	25056	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	▲ 169	---	---
Sodium	ppm	ASTM D5185m	4	---	---
Potassium	ppm	ASTM D5185m >20	7	---	---

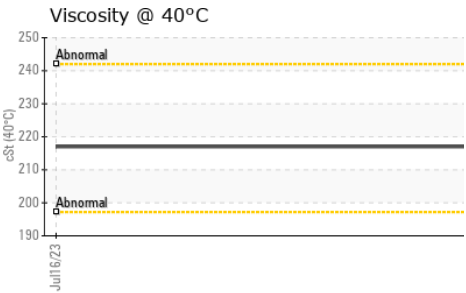
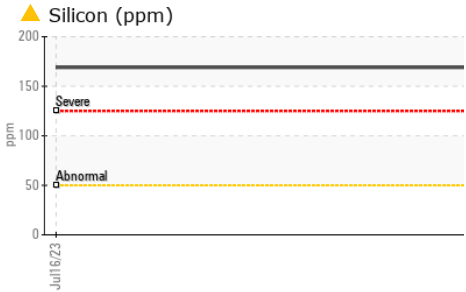
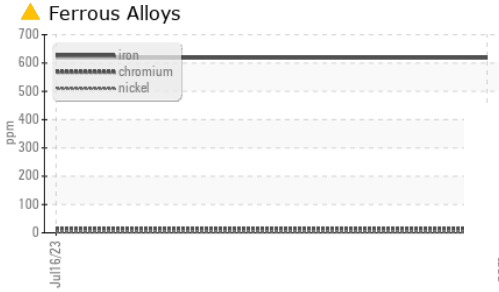
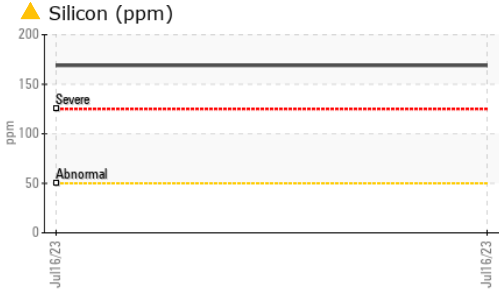
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	▲ 1.72	---	---

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	---	---
Emulsified Water	scalar	*Visual >0.2	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---

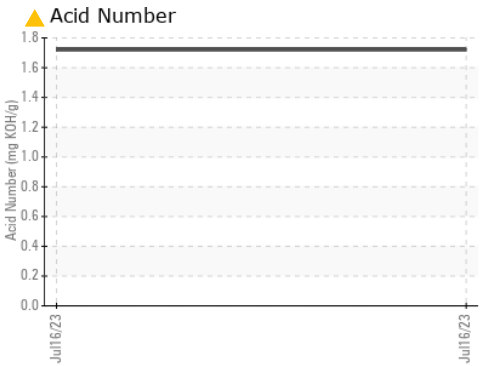
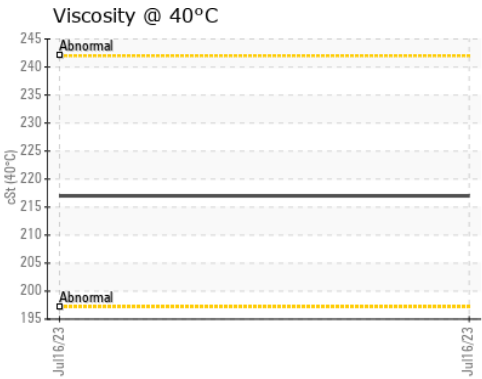
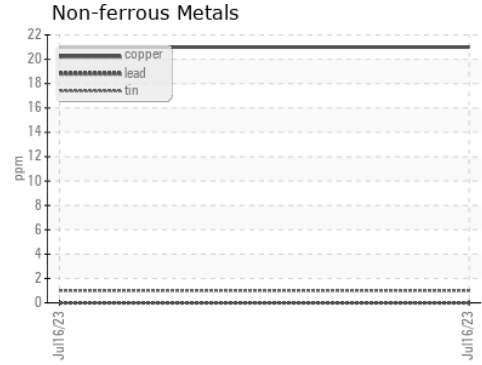
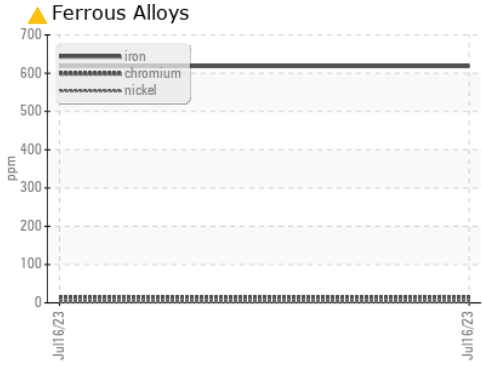
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		217	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0100289 **Received** : 17 Jul 2023
Lab Number : **05900106** **Diagnosed** : 18 Jul 2023
Unique Number : 10561462 **Diagnostician** : Angela Borella
Test Package : IND 2

NATIONAL MATERIAL PROCESSING
 4506 CLINE AVE
 EAST CHICAGO, IN
 US 46312
 Contact: RYAN CANO
 rcano@nmlp.com

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

* - 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: