



# OIL ANALYSIS REPORT

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

Machine Id  
**EXTRUDER-009**  
Component  
**Gearbox**  
Fluid  
**MOBIL SHC 630 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0727233</b>	WC0360091	---
Sample Date		Client Info		<b>18 Feb 2024</b>	02 Jul 2020	---
Machine Age	mths	Client Info		<b>0</b>	0	---
Oil Age	mths	Client Info		<b>0</b>	12	---
Filter Age	mths	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	<b>&lt;1</b>	1	---
Chromium	ppm	ASTM D5185m	>15	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>100	<b>0</b>	2	---
Copper	ppm	ASTM D5185m	>200	<b>0</b>	<1	---
Tin	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

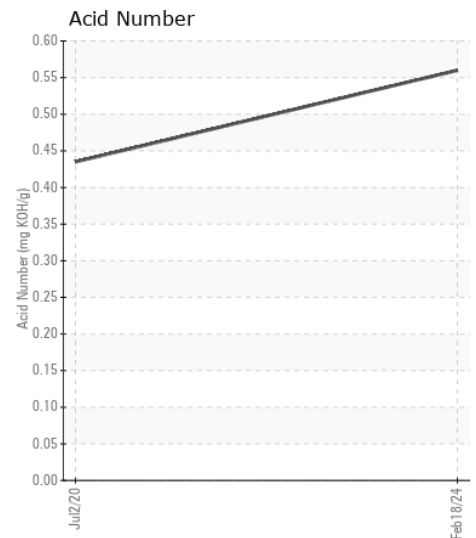
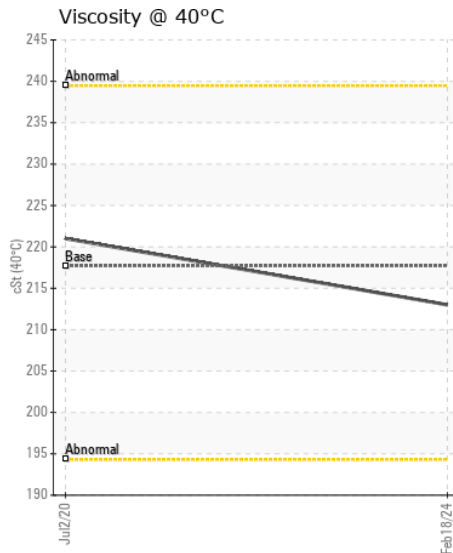
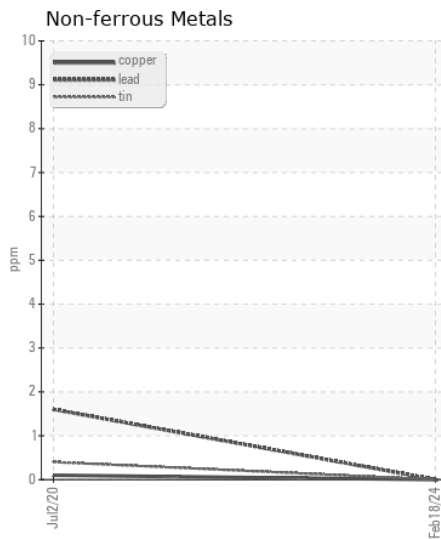
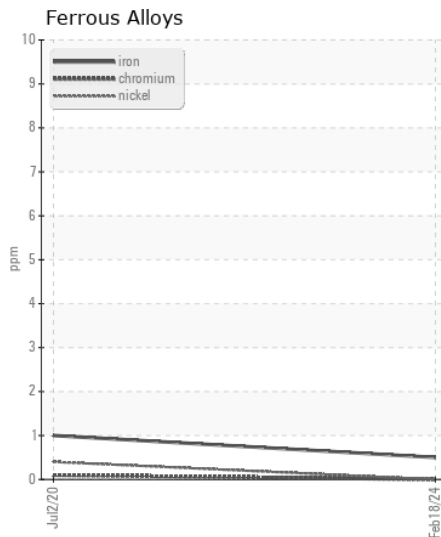
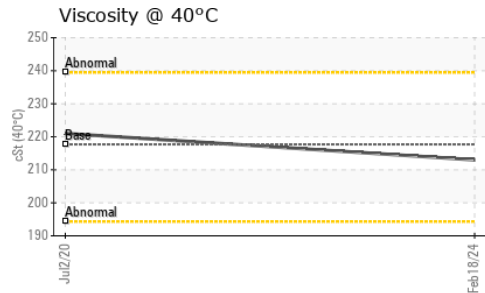
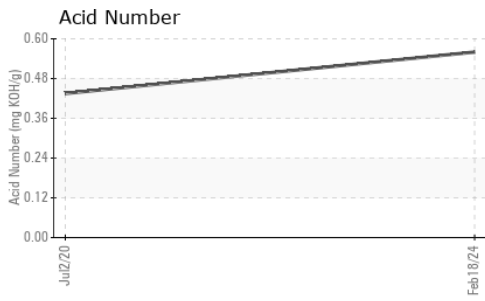
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>42</b>	46	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>1</b>	<1	---
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m		<b>2</b>	2	---
Phosphorus	ppm	ASTM D5185m		<b>395</b>	424	---
Zinc	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Sulfur	ppm	ASTM D5185m		<b>58</b>	0	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.56</b>	0.435	---
Visc @ 40°C	cSt	ASTM D445	217.7	<b>213</b>	221	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : WC0727233

**Lab Number** : 06103159

**Unique Number** : 10901389

**Test Package** : IND 2

**Received** : 28 Feb 2024

**Tested** : 29 Feb 2024

**Diagnosed** : 01 Mar 2024 - Don Baldrige

**PRINSCO - FARGO**

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T:

F:

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)