



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**EXTRUDER-027 (S/N 2801385/010)**  
 Component  
**Gearbox**  
 Fluid  
**GEAR OIL ISO 320 (25 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0898935</b>	WC0877106	---
Sample Date	Client Info			<b>11 May 2024</b>	15 Jan 2024	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<b>40</b>	11	---
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185m	>100	<b>0</b>	4	---
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	4	---
Tin	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

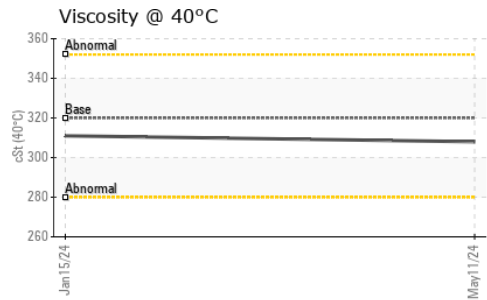
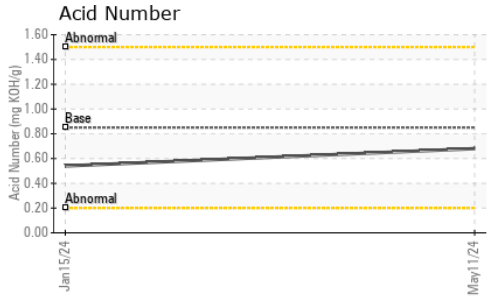
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	<b>28</b>	31	---
Barium	ppm	ASTM D5185m	15	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m	15	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	50	<b>2</b>	3	---
Calcium	ppm	ASTM D5185m	50	<b>10</b>	14	---
Phosphorus	ppm	ASTM D5185m	350	<b>226</b>	246	---
Zinc	ppm	ASTM D5185m	100	<b>15</b>	6	---
Sulfur	ppm	ASTM D5185m	12500	<b>8311</b>	7682	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>4</b>	3	---
Sodium	ppm	ASTM D5185m		<b>2</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	<b>0.68</b>	0.54	---



# OIL ANALYSIS REPORT



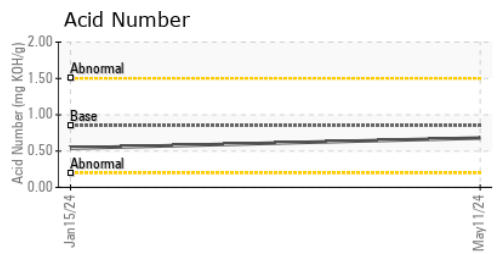
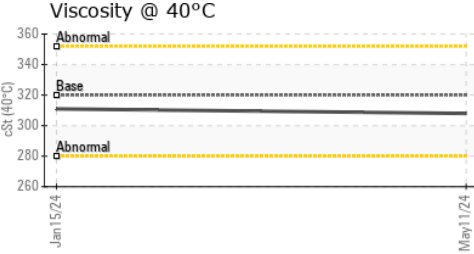
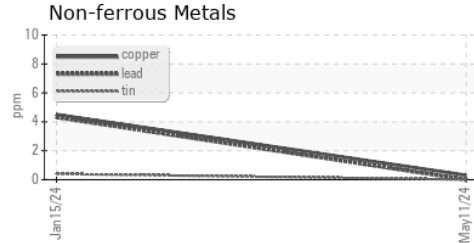
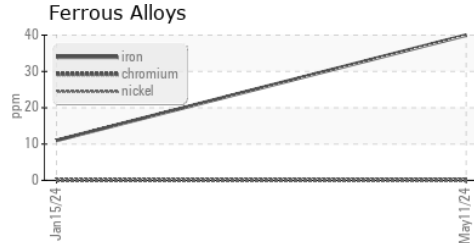
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 320	<b>308</b>	311	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0898935      **Received** : 10 May 2024  
**Lab Number** : **06175668**      **Tested** : 13 May 2024  
**Unique Number** : 11021721      **Diagnosed** : 13 May 2024 - Wes Davis  
**Test Package** : IND 2

**PRINSCO - JESUP**  
 850 HAWKEYE RD  
 JESUP, IA  
 US 50648

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)

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