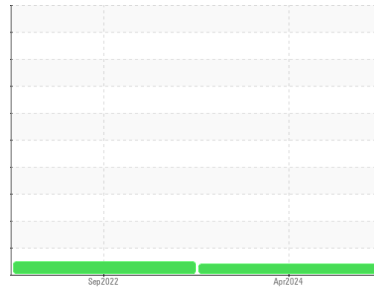




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area

EXTRUDER

Machine Id

EXTRUDER-019 LINE 2 (S/N 19940-2-1)

Component

Gear Extruder

Fluid

GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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

Viscosity of sample indicates oil is within ISO 150 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0920596	WC0643725	---
Sample Date	Client Info		19 Apr 2024	11 Sep 2022	---
Machine Age	mths	Client Info	0	0	---
Oil Age	mths	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ATTENTION	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	2	3	---
Chromium	ppm	ASTM D5185m >10	0	0	---
Nickel	ppm	ASTM D5185m >10	0	0	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	0	<1	---
Lead	ppm	ASTM D5185m >100	0	<1	---
Copper	ppm	ASTM D5185m >50	0	<1	---
Tin	ppm	ASTM D5185m >10	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 50	<1	8	---
Barium	ppm	ASTM D5185m 15	0	0	---
Molybdenum	ppm	ASTM D5185m 15	0	0	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m 50	0	<1	---
Calcium	ppm	ASTM D5185m 50	0	3	---
Phosphorus	ppm	ASTM D5185m 350	504	444	---
Zinc	ppm	ASTM D5185m 100	0	2	---
Sulfur	ppm	ASTM D5185m 12500	432	671	---

CONTAMINANTS

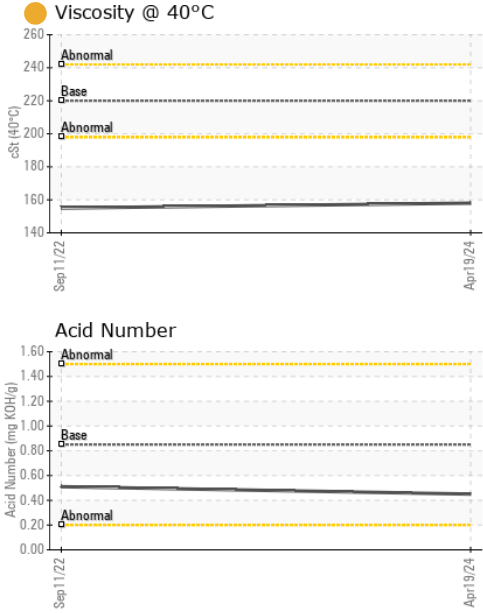
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	13	18	---
Sodium	ppm	ASTM D5185m	1	0	---
Potassium	ppm	ASTM D5185m >20	0	1	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	0.45	0.51	---



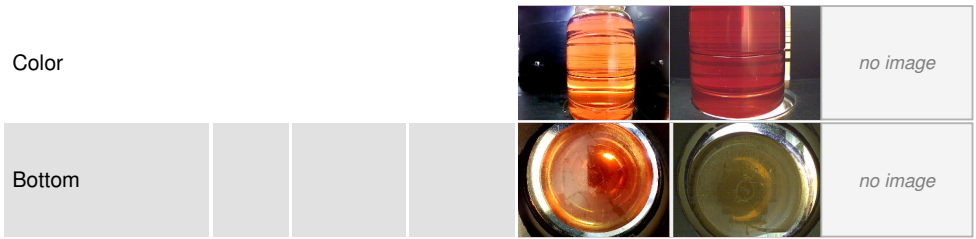
OIL ANALYSIS REPORT



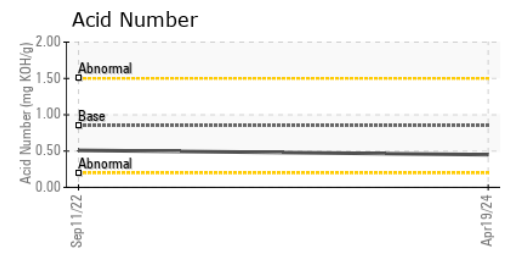
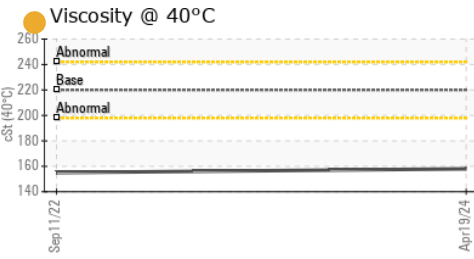
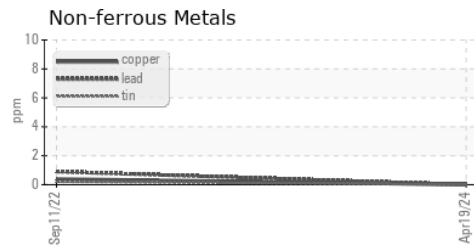
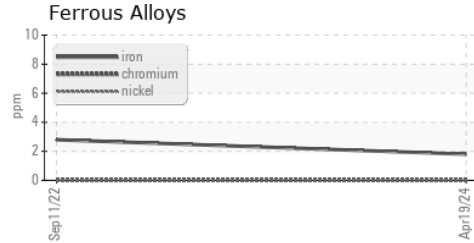
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	VLITE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	158	155

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0920596 **Received** : 26 Apr 2024
Lab Number : 06161639 **Tested** : 29 Apr 2024
Unique Number : 10997062 **Diagnosed** : 01 May 2024 - Jonathan Hester
Test Package : IND 2

PRINSCO - BERESFORD
 600 NORTH 16TH ST
 BERESFORD, SD
 US 57004
 Contact: CHRIS SETNAR
 christopher.setnar@prinsco.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)