



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area **Store 4 - Fairmont**

Machine Id **PRINOTH T14R 935310203**

Component **Right Planetary**

Fluid **GEAR OIL (PAO) ISO 220 (1 GAL)**

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0045370	LEC0037683	LEC0023395
Sample Date		Client Info		28 Sep 2023	15 Feb 2023	08 Oct 2021
Machine Age	hrs	Client Info		1402	949	497
Oil Age	hrs	Client Info		453	452	497
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE

WEAR

Bearing and/or bushing wear is indicated. Gear wear is indicated.

PQ		ASTM D8184		180	▲ 335	148
Iron	ppm	ASTM D5185m	>500	▲ 1046	▲ 1197	337
Chromium	ppm	ASTM D5185m	>10	▲ 12	▲ 13	3
Nickel	ppm	ASTM D5185m	>10	< 1	2	<1
Titanium	ppm	ASTM D5185m		3	6	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	● 35	● 110	<1
Lead	ppm	ASTM D5185m	>25	▲ 37	▲ 331	▲ 611
Copper	ppm	ASTM D5185m	>75	▲ 647	▲ 171	17
Tin	ppm	ASTM D5185m	>10	▲ 24	▲ 9	1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

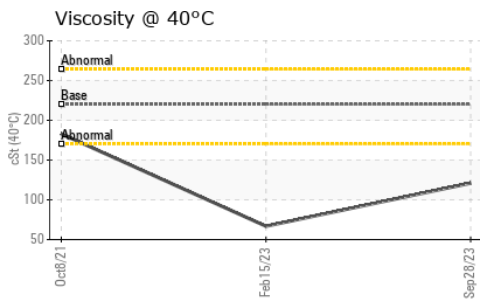
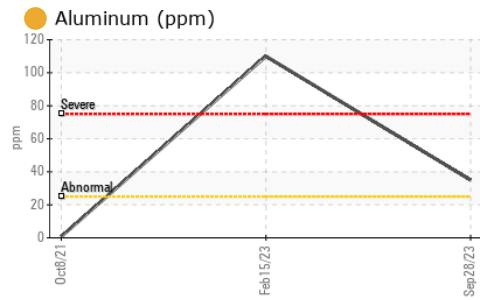
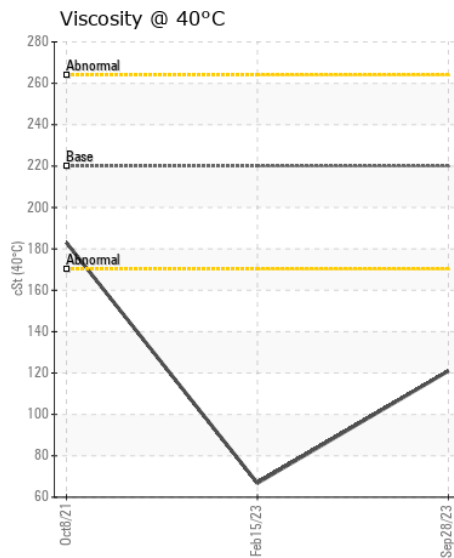
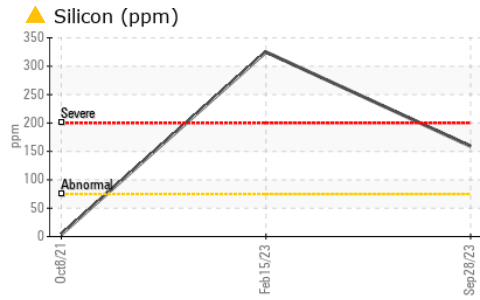
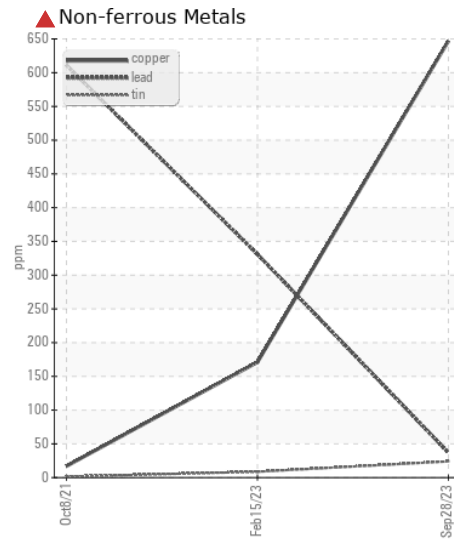
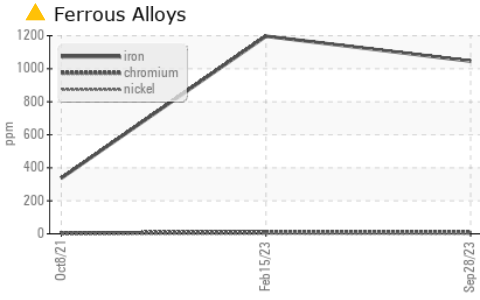
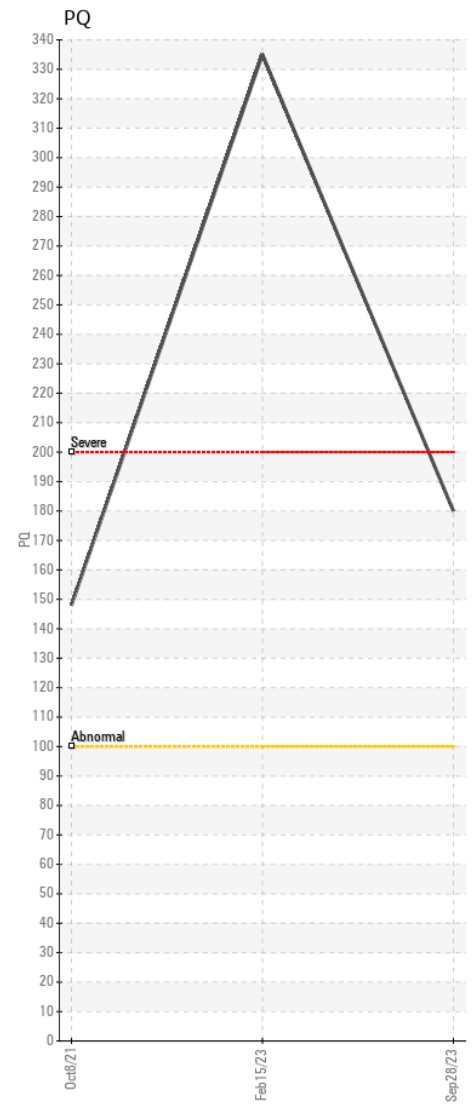
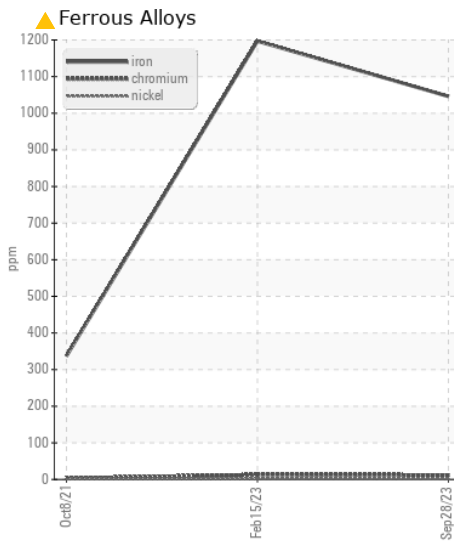
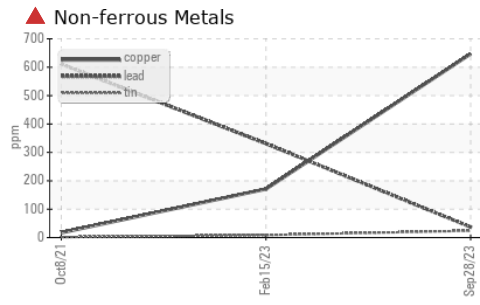
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 159	▲ 325	4
Potassium	ppm	ASTM D5185m	>20	9	29	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		2	10	6
Boron	ppm	ASTM D5185m	25	3	20	6
Barium	ppm	ASTM D5185m	12	0	0	0
Molybdenum	ppm	ASTM D5185m	5	< 1	4	<1
Manganese	ppm	ASTM D5185m		8	12	4
Magnesium	ppm	ASTM D5185m	25	16	● 98	3
Calcium	ppm	ASTM D5185m	25	376	● 2652	12
Phosphorus	ppm	ASTM D5185m	375	389	● 866	348
Zinc	ppm	ASTM D5185m	25	130	● 939	13
Sulfur	ppm	ASTM D5185m	4900	14869	4348	4408
Visc @ 40°C	cSt	ASTM D445	220	121	● 66.8	183



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0045370 **Received** : 02 Oct 2023
Lab Number : 05966562 **Tested** : 03 Oct 2023
Unique Number : 10673113 **Diagnosed** : 03 Oct 2023 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.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: (740)373-5570