



# OIL ANALYSIS REPORT

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

Area  
**Store 4 - Fairmont**  
Machine Id  
**PRINOTH T14R 935310203**  
Component  
**Left 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.

## WEAR

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

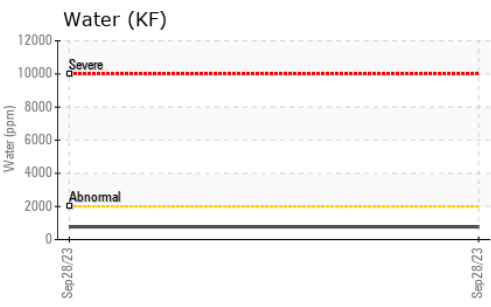
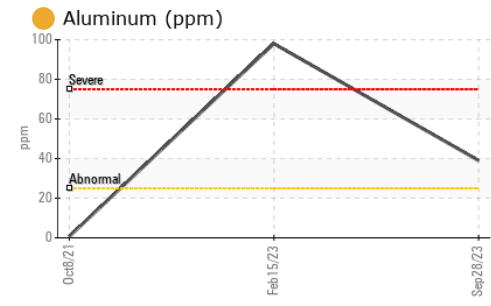
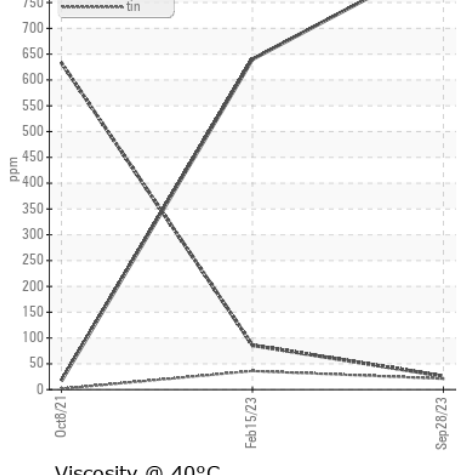
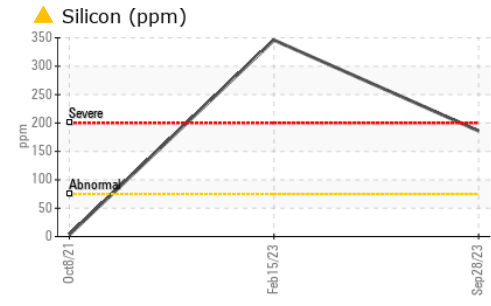
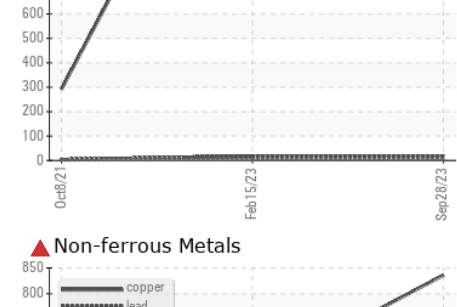
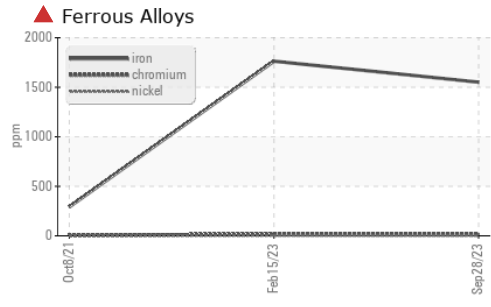
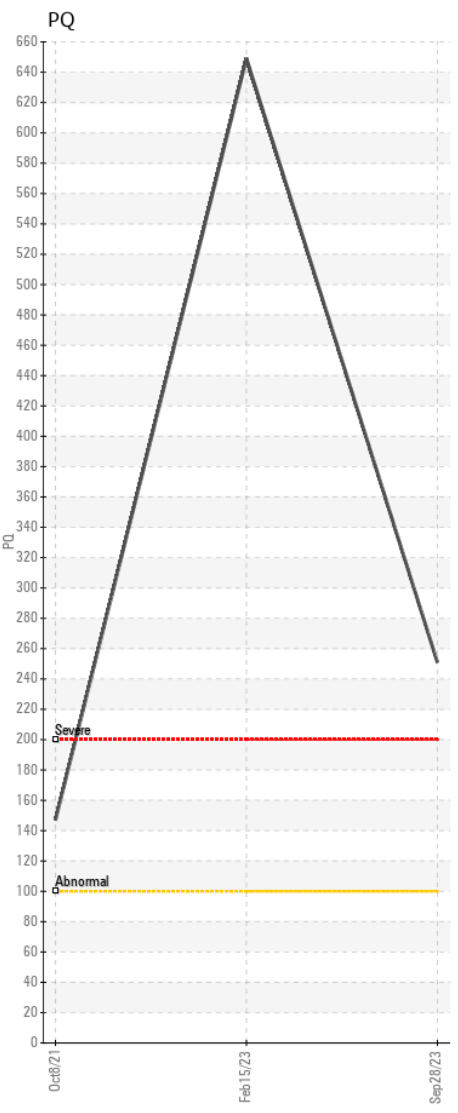
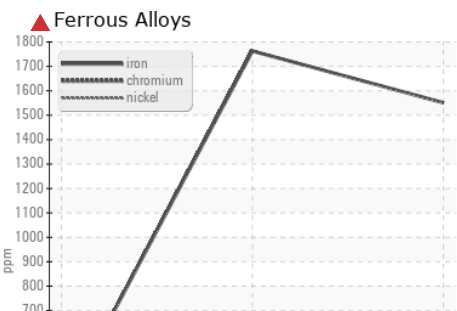
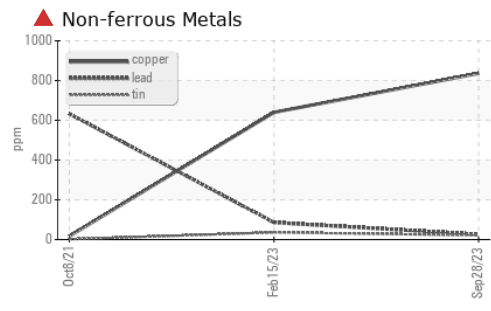
## CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The water content is negligible.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0045369</b>	LEC0038561	LEC0023451
Sample Date		Client Info		<b>28 Sep 2023</b>	15 Feb 2023	08 Oct 2021
Machine Age	hrs	Client Info		<b>1402</b>	949	497
Oil Age	hrs	Client Info		<b>453</b>	452	497
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	SEVERE	SEVERE
PQ		ASTM D8184		<b>251</b>	▲ 649	147
Iron	ppm	ASTM D5185m	>500	▲ <b>1551</b>	▲ 1763	292
Chromium	ppm	ASTM D5185m	>10	▲ <b>17</b>	▲ 18	3
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	2	<1
Titanium	ppm	ASTM D5185m		<b>3</b>	7	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	● <b>39</b>	● 98	<1
Lead	ppm	ASTM D5185m	>25	▲ <b>26</b>	▲ 86	▲ 633
Copper	ppm	ASTM D5185m	>75	▲ <b>836</b>	▲ 640	17
Tin	ppm	ASTM D5185m	>10	▲ <b>21</b>	▲ 36	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ <b>186</b>	▲ 346	3
Potassium	ppm	ASTM D5185m	>20	<b>10</b>	21	<1
Water	%	ASTM D6304	>0.2	<b>0.077</b>	---	---
ppm Water	ppm	ASTM D6304	>2000	<b>770</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>0.2%</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>2</b>	6	7
Boron	ppm	ASTM D5185m	25	<b>&lt;1</b>	5	5
Barium	ppm	ASTM D5185m	12	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	5	<b>0</b>	2	<1
Manganese	ppm	ASTM D5185m		<b>11</b>	14	5
Magnesium	ppm	ASTM D5185m	25	<b>16</b>	24	3
Calcium	ppm	ASTM D5185m	25	<b>94</b>	269	11
Phosphorus	ppm	ASTM D5185m	375	<b>300</b>	336	352
Zinc	ppm	ASTM D5185m	25	<b>55</b>	115	13
Sulfur	ppm	ASTM D5185m	4900	<b>16807</b>	16771	4467
Visc @ 40°C	cSt	ASTM D445	220	<b>133</b>	● 123	180



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0045369 **Received** : 02 Oct 2023  
**Lab Number** : 05966564 **Tested** : 03 Oct 2023  
**Unique Number** : 10673115 **Diagnosed** : 03 Oct 2023 - Sean Felton  
**Test Package** : CONST ( Additional Tests: KF, PQ )

**LESLIE EQUIPMENT COMPANY**  
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 MARIETTA, OH  
 US 45750-9765  
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 T:  
 F: (740)373-5570

Certificate L2367  
 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)