



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont [RO# 152869]
Machine Id
PRINOTH T12 935300157
Component
Right Final Drive
Fluid
GEAR OIL SAE 80W90 (2 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 recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0050978	LEC0018172	---
Sample Date		Client Info		06 Jul 2024	06 Jan 2021	---
Machine Age	hrs	Client Info		2737	1411	---
Oil Age	hrs	Client Info		1326	1411	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				ABNORMAL	SEVERE	---

WEAR

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

PQ		ASTM D8184		▲ 260	2459	---
Iron	ppm	ASTM D5185m	>500	▲ 674	▲ 5000	---
Chromium	ppm	ASTM D5185m	>10	9	▲ 76	---
Nickel	ppm	ASTM D5185m	>10	1	4	---
Titanium	ppm	ASTM D5185m		3	53	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	● 23	● 385	---
Lead	ppm	ASTM D5185m	>25	▲ 44	▲ 170	---
Copper	ppm	ASTM D5185m	>50	▲ 417	▲ 190	---
Tin	ppm	ASTM D5185m	>10	▲ 27	13	---
Vanadium	ppm	ASTM D5185m		<1	1	---
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

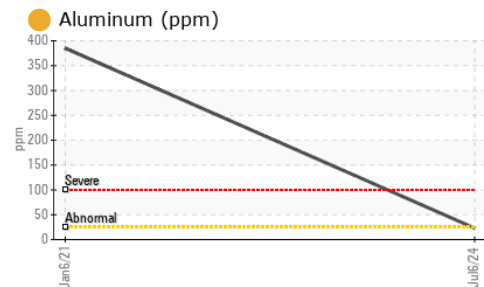
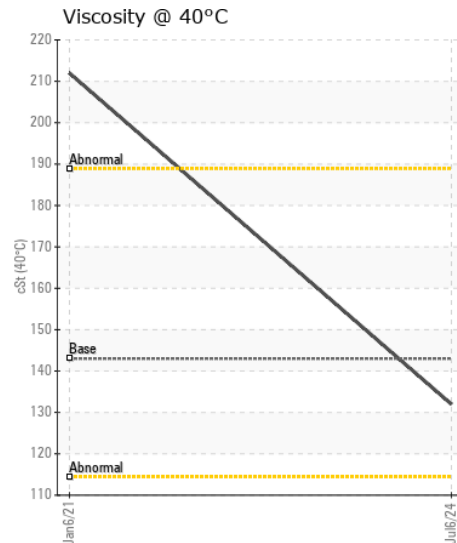
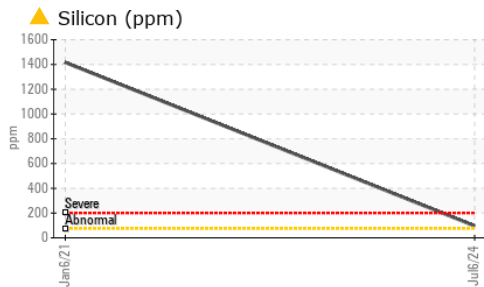
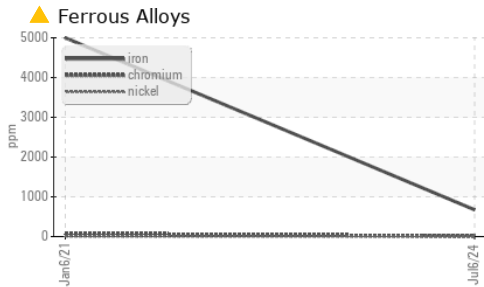
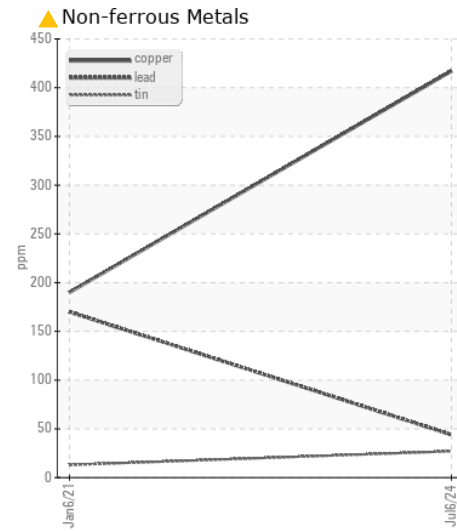
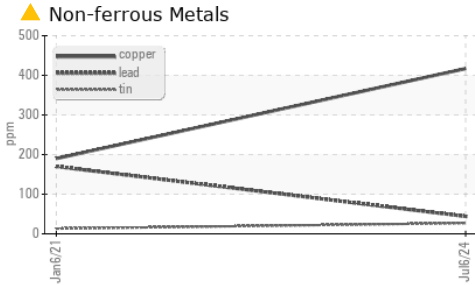
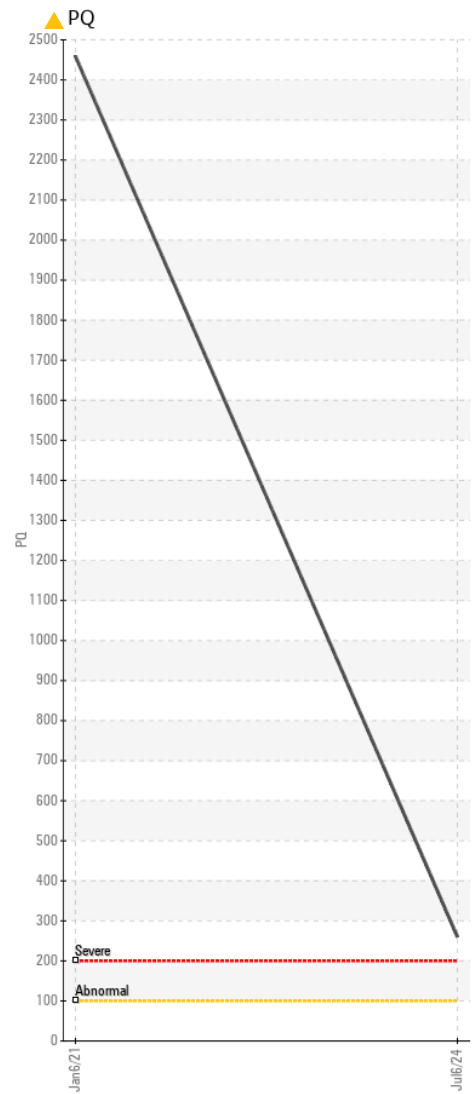
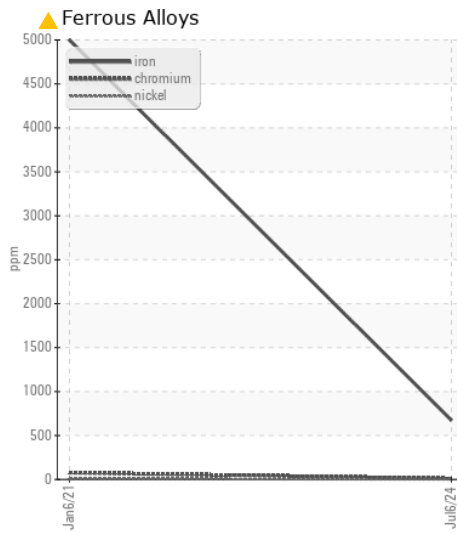
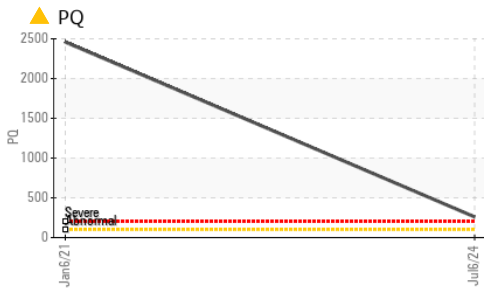
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 96	▲ 1416	---
Potassium	ppm	ASTM D5185m	>20	7	104	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	<1	35	---
Boron	ppm	ASTM D5185m	400	6	28	---
Barium	ppm	ASTM D5185m	200	0	88	---
Molybdenum	ppm	ASTM D5185m	12	1	8	---
Manganese	ppm	ASTM D5185m		5	43	---
Magnesium	ppm	ASTM D5185m	12	20	51	---
Calcium	ppm	ASTM D5185m	150	68	183	---
Phosphorus	ppm	ASTM D5185m	1650	310	381	---
Zinc	ppm	ASTM D5185m	125	50	33	---
Sulfur	ppm	ASTM D5185m	22500	18181	4788	---
Visc @ 40°C	cSt	ASTM D445	143	132	212	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050978 **Received** : 15 Jul 2024
Lab Number : 06236398 **Tested** : 16 Jul 2024
Unique Number : 11125232 **Diagnosed** : 17 Jul 2024 - 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)

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