



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont [112312]
 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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0018172	---	---
Sample Date		Client Info		06 Jan 2021	---	---
Machine Age	hrs	Client Info		1411	---	---
Oil Age	hrs	Client Info		1411	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				SEVERE	---	---

WEAR

Moderate concentration of visible metal present. Gear wear is indicated. Bearing and/or bushing wear is indicated. Component wear metal level(s) high for break in.

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

CONTAMINATION

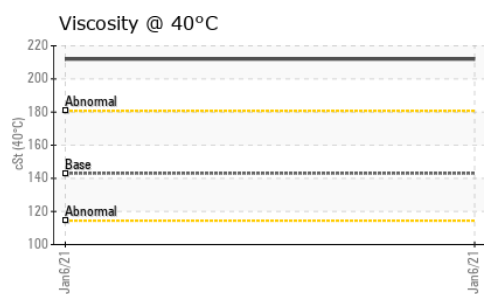
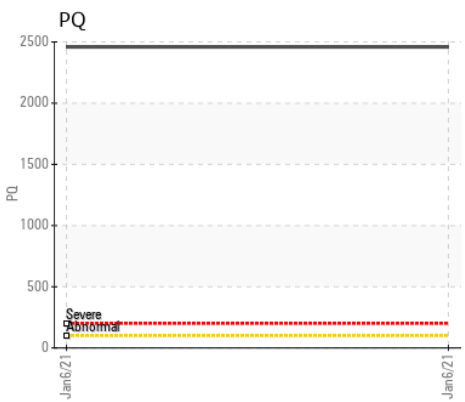
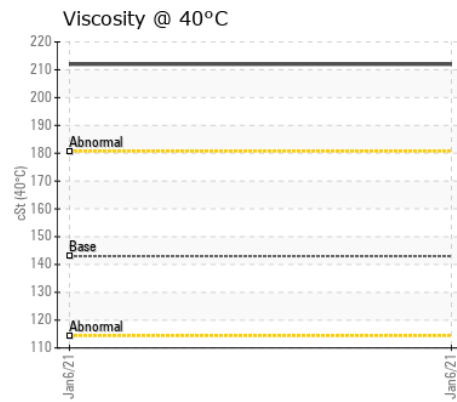
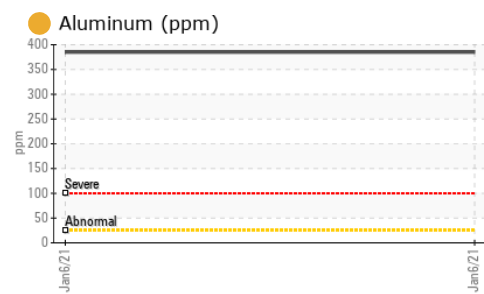
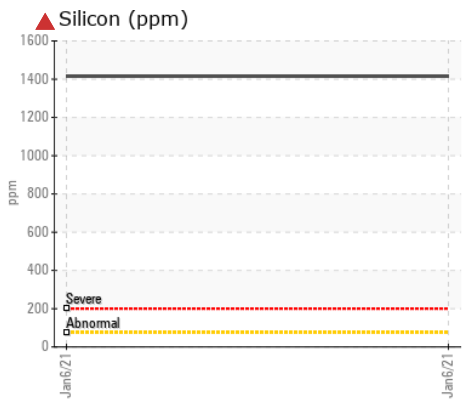
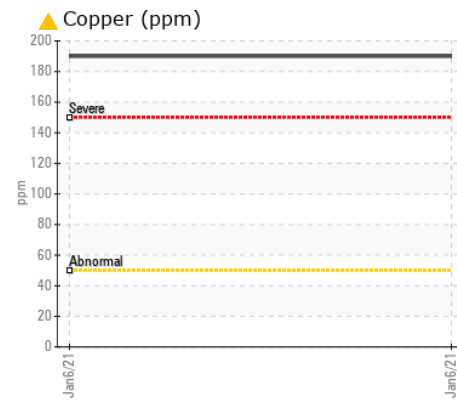
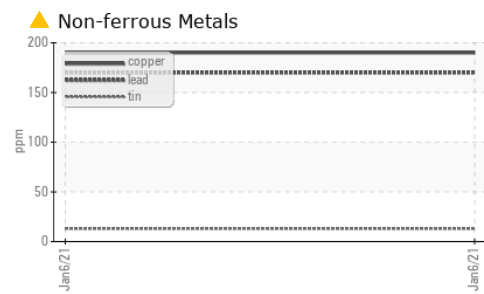
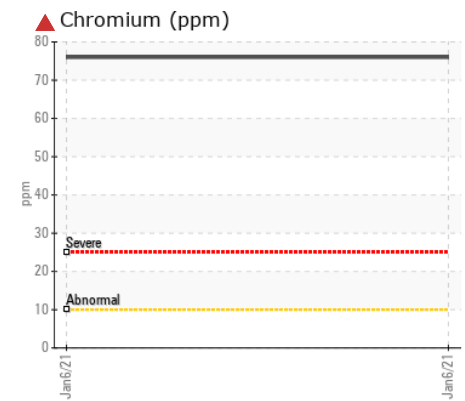
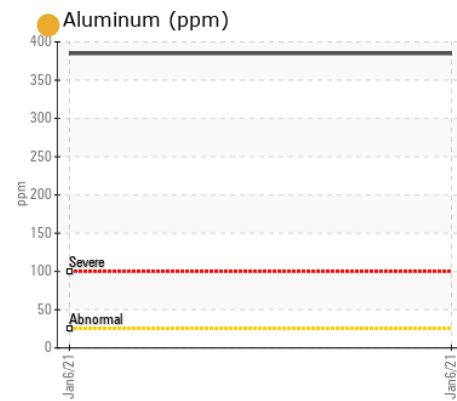
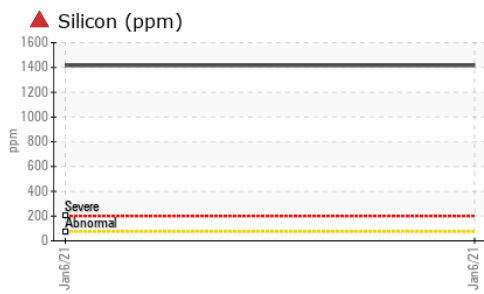
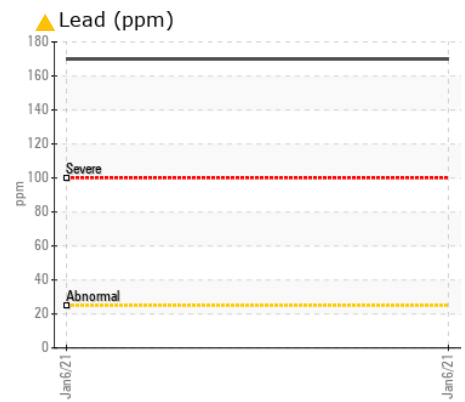
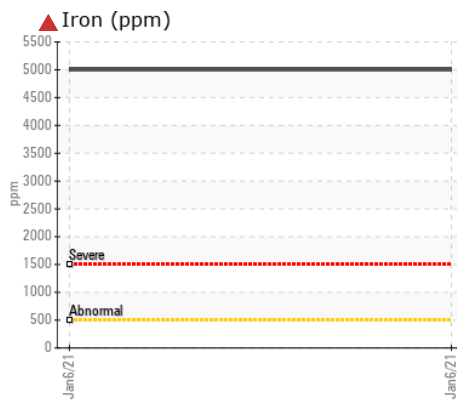
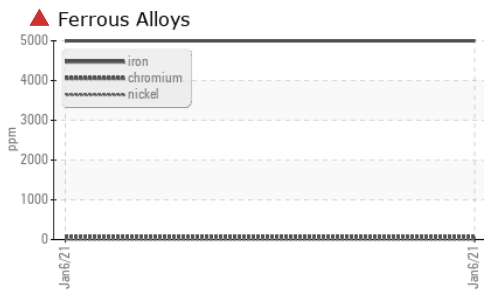
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 1416	---	---
Potassium	ppm	ASTM D5185m	>20	104	---	---
Water		WC Method	>0.2	NEG	---	---
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	---	---

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m	>170	35	---	---
Boron	ppm	ASTM D5185m	400	28	---	---
Barium	ppm	ASTM D5185m	200	88	---	---
Molybdenum	ppm	ASTM D5185m	12	8	---	---
Manganese	ppm	ASTM D5185m		43	---	---
Magnesium	ppm	ASTM D5185m	12	51	---	---
Calcium	ppm	ASTM D5185m	150	183	---	---
Phosphorus	ppm	ASTM D5185m	1650	381	---	---
Zinc	ppm	ASTM D5185m	125	33	---	---
Sulfur	ppm	ASTM D5185m	22500	4788	---	---
Visc @ 40°C	cSt	ASTM D445	143	212	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0018172 **Received** : 08 Jan 2021
Lab Number : 05152988 **Tested** : 11 Jan 2021
Unique Number : 9313268 **Diagnosed** : 11 Jan 2021 - Don Baldrige
Test Package : MOBCE (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:
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