



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 8 - Pikeville [RO#146789]
Machine Id
PRINOTH T12 935300138
Component
Left Propel Gearbox
Fluid
GEAR OIL (PAO) ISO 220 (--- GAL)

RECOMMENDATION

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		LEC0047451	LEC0035913	LEC0032565
Sample Date		Client Info		06 Feb 2024	03 Nov 2022	22 Jul 2022
Machine Age	hrs	Client Info		1572	1294	1181
Oil Age	hrs	Client Info		1572	1294	1181
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				SEVERE	MARGINAL	ABNORMAL

WEAR

Bearing and/or gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		86	48	65
Iron	ppm	ASTM D5185m	>200	1732	1841	1419
Chromium	ppm	ASTM D5185m	>10	23	23	18
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		6	6	5
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		7	10	11
Lead	ppm	ASTM D5185m		61	62	60
Copper	ppm	ASTM D5185m		1651	1540	1217
Tin	ppm	ASTM D5185m		16	11	9
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

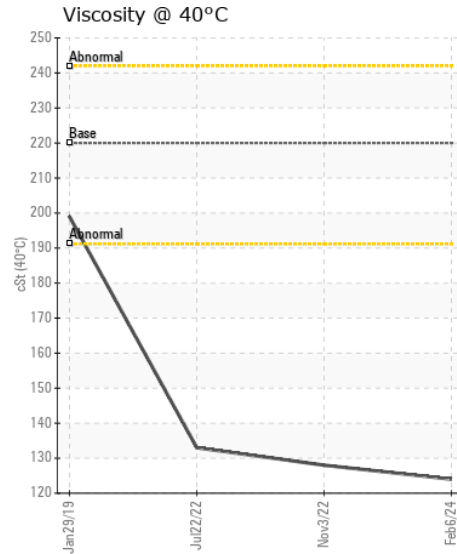
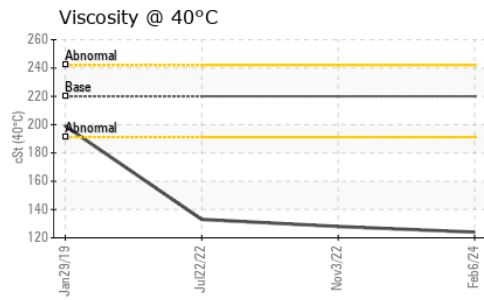
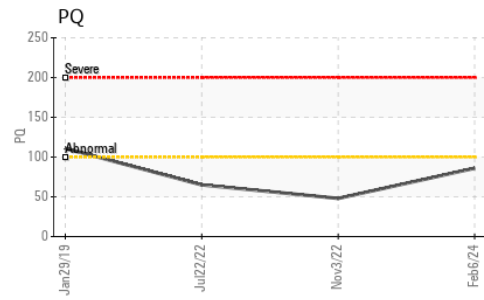
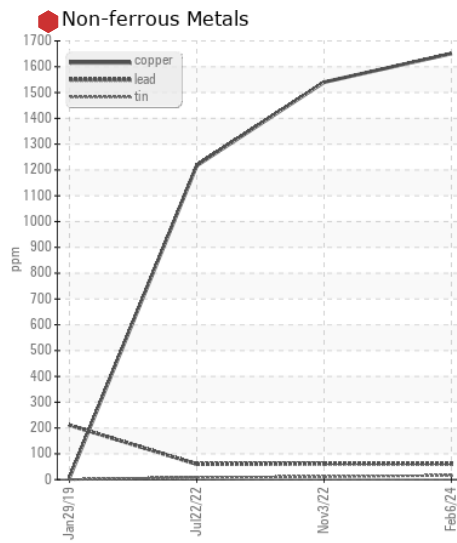
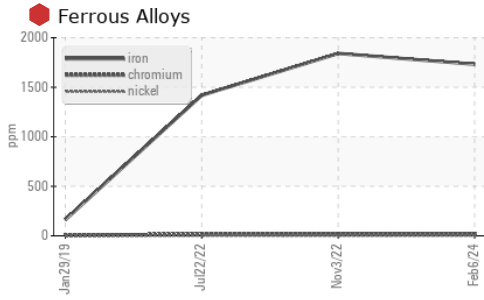
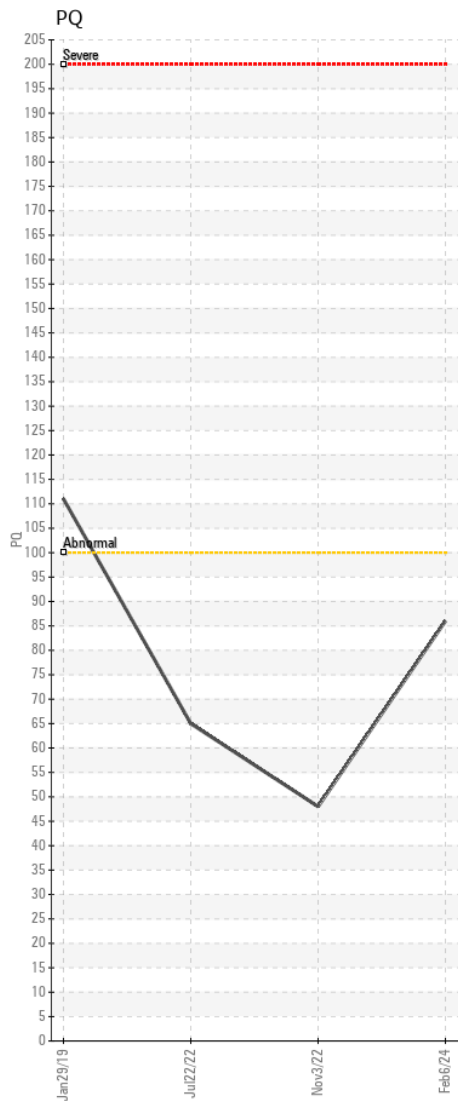
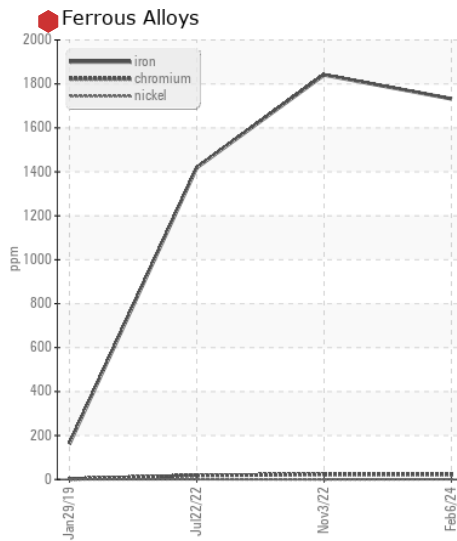
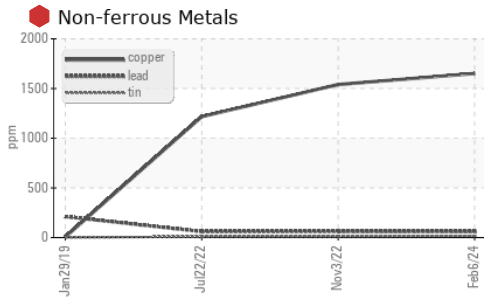
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m		37	37	31
Potassium	ppm	ASTM D5185m	>20	1	3	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		8	5	6
Boron	ppm	ASTM D5185m	25	8	8	9
Barium	ppm	ASTM D5185m	12	20	21	16
Molybdenum	ppm	ASTM D5185m	5	2	3	3
Manganese	ppm	ASTM D5185m		11	12	9
Magnesium	ppm	ASTM D5185m	25	9	7	6
Calcium	ppm	ASTM D5185m	25	57	50	51
Phosphorus	ppm	ASTM D5185m	375	321	322	287
Zinc	ppm	ASTM D5185m	25	50	43	30
Sulfur	ppm	ASTM D5185m	4900	13350	16244	14387
Visc @ 40°C	cSt	ASTM D445	220	124	128	133



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047451 **Received** : 08 Feb 2024
Lab Number : 06084359 **Tested** : 09 Feb 2024
Unique Number : 10871804 **Diagnosed** : 12 Feb 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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