



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
Store 9 - Marietta
Machine Id
PRINOTH T14 935310221
Component
Right Planetary
Fluid
GEAR OIL (PAO) ISO 220 (2 LTR)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. 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		LEC0050549	LEC0044869	LEC0037693
Sample Date		Client Info		06 May 2024	15 Nov 2023	14 Feb 2023
Machine Age	hrs	Client Info		1941	1828	1474
Oil Age	hrs	Client Info		113	354	481
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		None	None	None
Sample Status				SEVERE	SEVERE	SEVERE

WEAR

Bearing and/or bushing wear is indicated.

PQ		ASTM D8184		214	334	108
Iron	ppm	ASTM D5185m	>500	309	▲ 3756	▲ 682
Chromium	ppm	ASTM D5185m	>10	3	▲ 29	6
Nickel	ppm	ASTM D5185m	>10	0	▲ 20	2
Titanium	ppm	ASTM D5185m		<1	1	1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	2	10	11
Lead	ppm	ASTM D5185m	>25	▲ 28	▲ 213	▲ 94
Copper	ppm	ASTM D5185m	>75	▲ 859	▲ 6433	▲ 2133
Tin	ppm	ASTM D5185m	>10	▲ 57	▲ 874	▲ 36
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

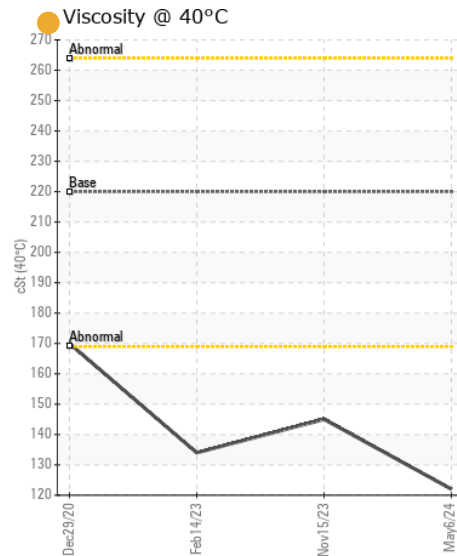
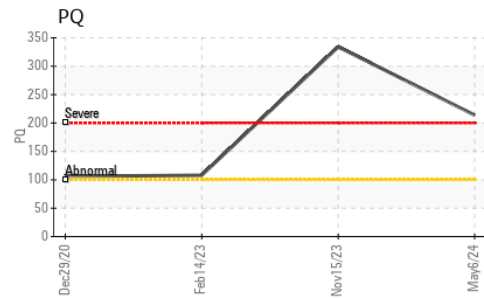
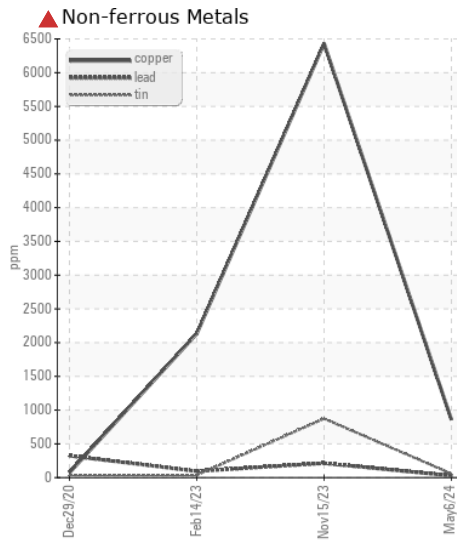
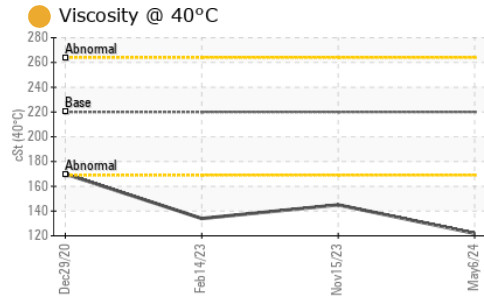
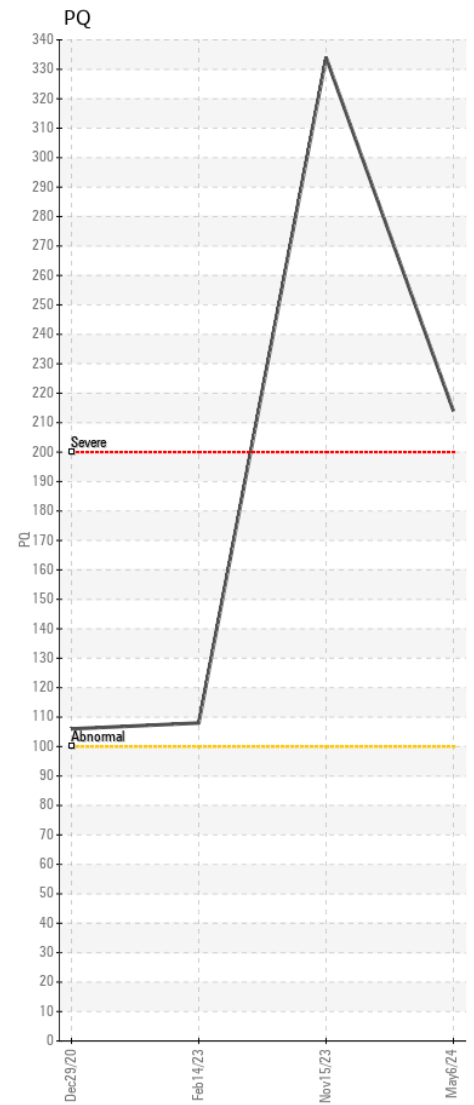
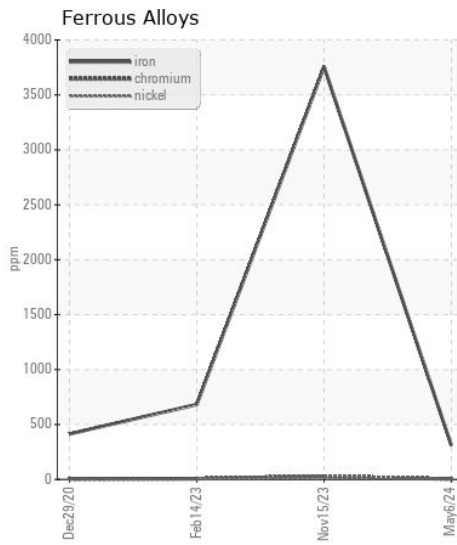
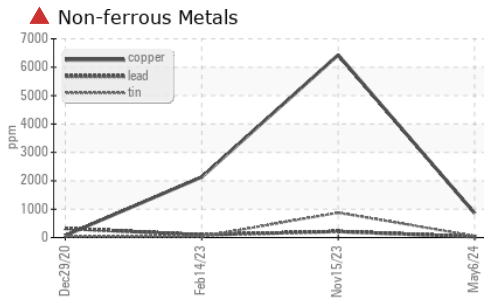
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	16	83	60
Potassium	ppm	ASTM D5185m	>20	0	2	3
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	0.2%	NEG

FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m		<1	0	2
Boron	ppm	ASTM D5185m	25	1	2	2
Barium	ppm	ASTM D5185m	12	<1	<1	0
Molybdenum	ppm	ASTM D5185m	5	0	0	<1
Manganese	ppm	ASTM D5185m		2	26	6
Magnesium	ppm	ASTM D5185m	25	2	4	4
Calcium	ppm	ASTM D5185m	25	44	9	8
Phosphorus	ppm	ASTM D5185m	375	370	335	313
Zinc	ppm	ASTM D5185m	25	37	230	22
Sulfur	ppm	ASTM D5185m	4900	20763	18263	18541
Visc @ 40°C	cSt	ASTM D445	220	● 122	● 145	● 134



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050549 **Received** : 09 May 2024
Lab Number : 06174145 **Tested** : 10 May 2024
Unique Number : 11020198 **Diagnosed** : 12 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)