



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont
Machine Id
PRINOTH T14R 935310203
Component
Hydrostatic
Fluid
ATF (37 GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0045368	LEC0038560	LEC0023468
Sample Date		Client Info		28 Sep 2023	15 Feb 2023	08 Oct 2021
Machine Age	hrs	Client Info		1402	949	497
Oil Age	hrs	Client Info		1402	949	497
Filter Age	hrs	Client Info		453	949	497
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		19	14	19
Iron	ppm	ASTM D5185m	>200	23	18	12
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>50	0	1	<1
Lead	ppm	ASTM D5185m	>50	4	4	3
Copper	ppm	ASTM D5185m	>200	12	13	11
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

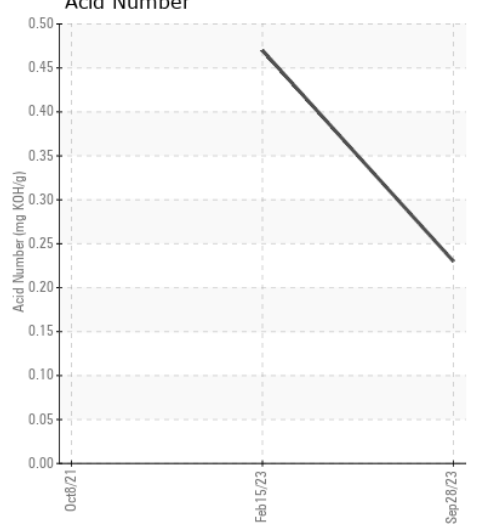
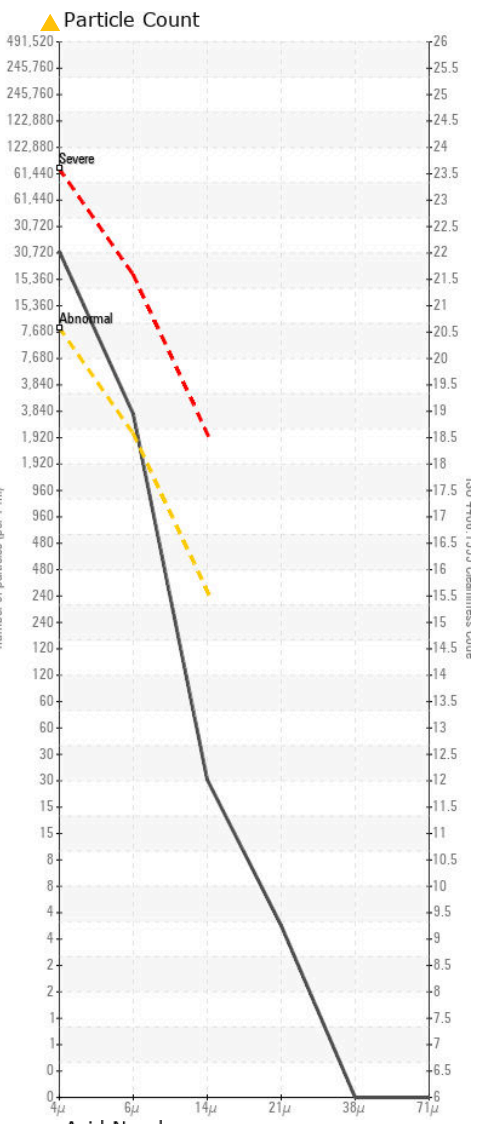
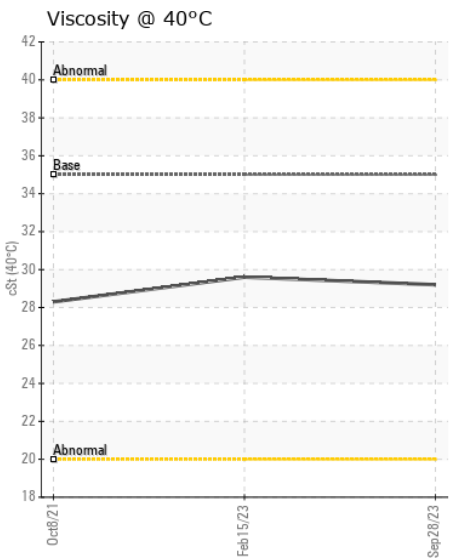
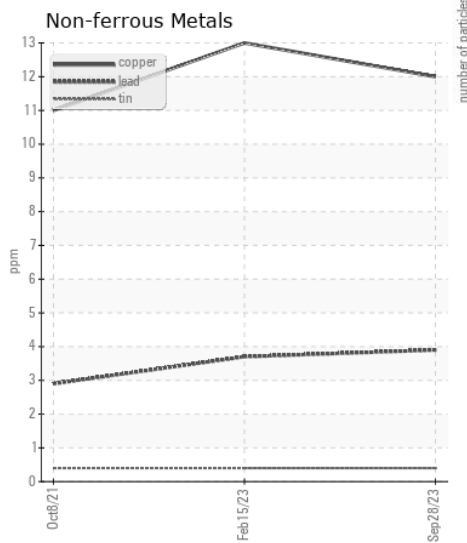
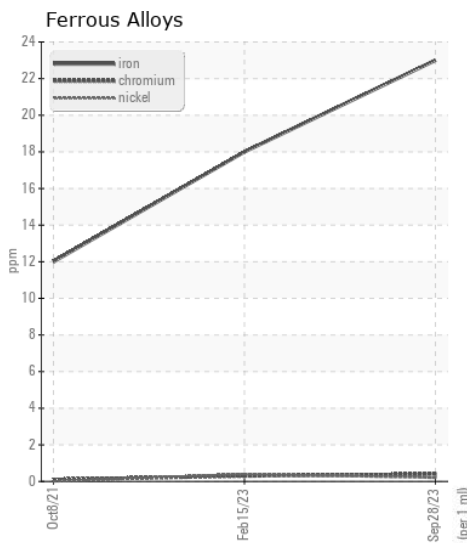
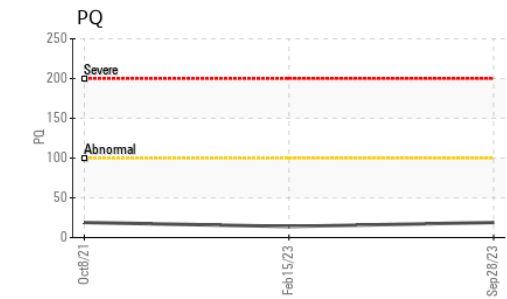
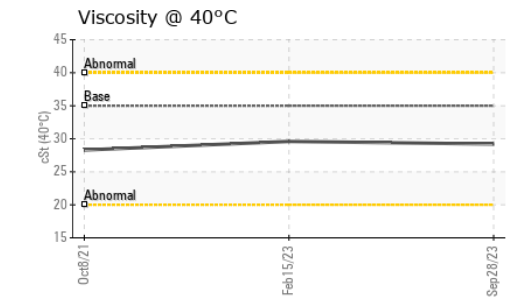
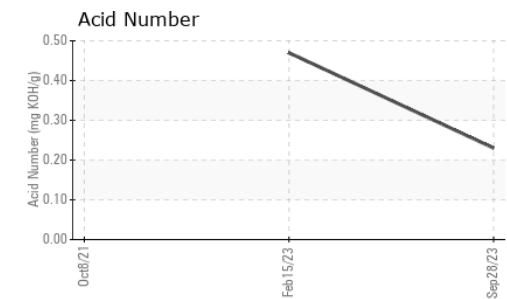
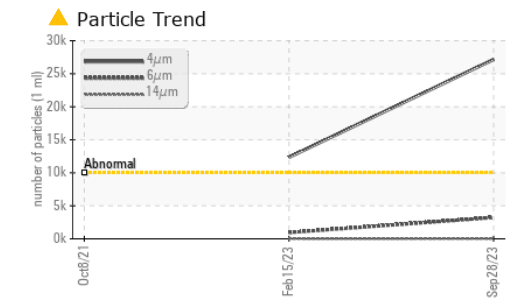
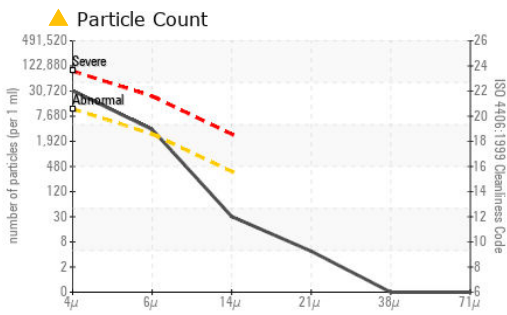
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>50	2	2	1
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 27170	● 12342	---
Particles >6µm		ASTM D7647	>2500	● 3228	948	---
Particles >14µm		ASTM D7647	>320	27	20	---
Particles >21µm		ASTM D7647	>80	4	2	---
Particles >38µm		ASTM D7647	>20	0	1	---
Particles >71µm		ASTM D7647	>4	0	1	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 22/19/12	● 21/17/11	---
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	0	<1
Boron	ppm	ASTM D5185m		0	1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		96	99	98
Calcium	ppm	ASTM D5185m		20	22	10
Phosphorus	ppm	ASTM D5185m		381	404	337
Zinc	ppm	ASTM D5185m		379	381	298
Sulfur	ppm	ASTM D5185m		1563	1429	1222
Acid Number (AN)	mg KOH/g	ASTM D8045		0.23	0.47	---
Visc @ 40°C	cSt	ASTM D445	35.0	29.2	29.6	28.3



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0045368 **Received** : 02 Oct 2023
Lab Number : 05966175 **Tested** : 03 Oct 2023
Unique Number : 10672726 **Diagnosed** : 03 Oct 2023 - Don Baldrige
Test Package : CONST (Additional Tests: PQ, PrtCount)

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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)