



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PRINOTH TT-27
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 46 (--- GAL)

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.

WEAR

The iron level is severe.

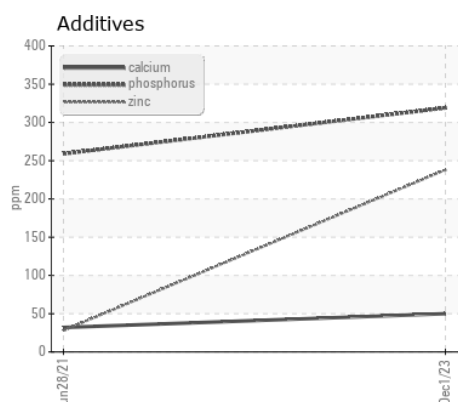
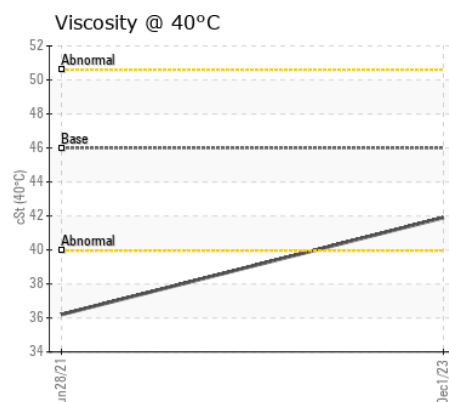
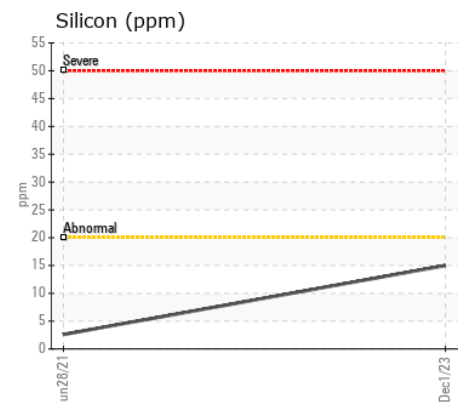
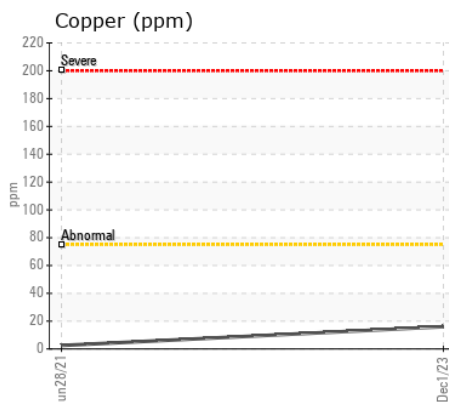
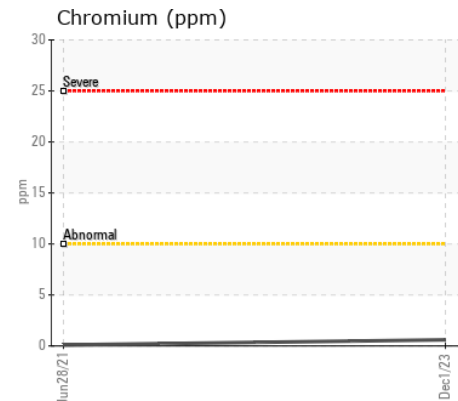
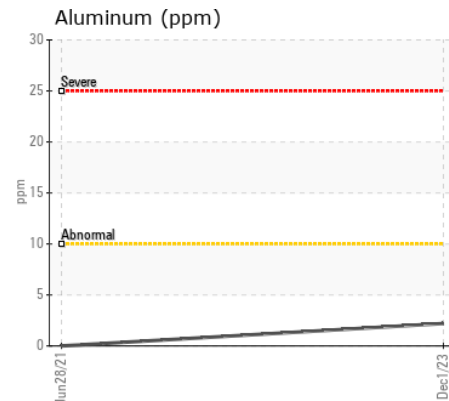
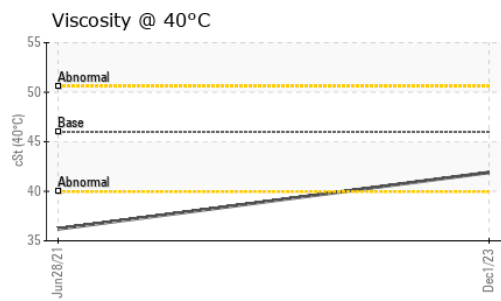
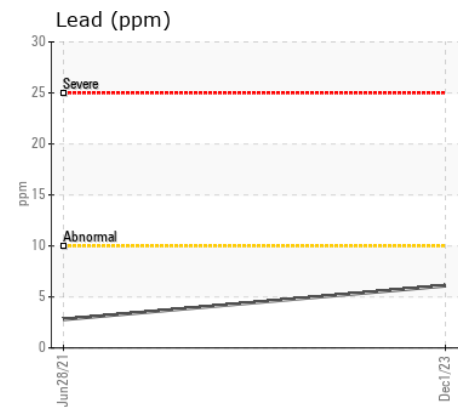
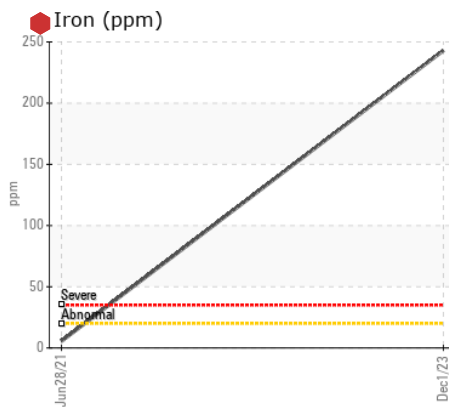
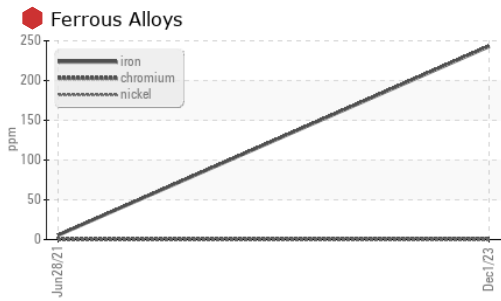
CONTAMINATION

There is no indication of any contamination in the oil.

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
Sample Number		Client Info		DC0023802	DC0012174	---
Sample Date		Client Info		01 Dec 2023	28 Jun 2021	---
Machine Age	hrs	Client Info		3057	2008	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	ABNORMAL	---
Iron	ppm	ASTM D5185m	>20	243	6	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>10	2	0	---
Lead	ppm	ASTM D5185m	>10	6	3	---
Copper	ppm	ASTM D5185m	>75	16	2	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>20	15	3	---
Potassium	ppm	ASTM D5185m	>20	4	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---
Sodium	ppm	ASTM D5185m		5	1	---
Boron	ppm	ASTM D5185m	5	0	2	---
Barium	ppm	ASTM D5185m	5	0	0	---
Molybdenum	ppm	ASTM D5185m	5	0	<1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	25	<1	0	---
Calcium	ppm	ASTM D5185m	200	50	32	---
Phosphorus	ppm	ASTM D5185m	300	319	259	---
Zinc	ppm	ASTM D5185m	370	238	28	---
Sulfur	ppm	ASTM D5185m	2500	4207	1984	---
Visc @ 40°C	cSt	ASTM D445	46	41.9	36.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0023802 **Received** : 10 Jan 2024
Lab Number : 06057075 **Diagnosed** : 12 Jan 2024
Unique Number : 10823024 **Diagnostician** : Jonathan Hester
Test Package : MOB 1

EQR - ENVIRONMENTAL QUALITY RESOURCES LLC
 1 CHURCHVIEW RD
 MILLERSVILLE, MD
 US 21108
 Contact: CLARENCE NEWBERRY
 cnewberry@eqrllc.com
 T:
 F: (443)304-3315

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)