

OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Area
Wax Cups
 Machine Id
POS 36
 Component
Circulating System
 Fluid
{not provided} (--- GAL)

DIAGNOSIS

- ▲ Recommendation**
 We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.
- ▲ Wear**
 Moderate concentration of visible metal present. All component wear rates are normal.
- ▲ Contamination**
 Moderate concentration of visible dirt/debris present in the oil.
- Fluid Condition**
 The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		TO50002260	---	---
Sample Date	Client Info		24 Apr 2024	---	---
Machine Age	hrs Client Info		0	---	---
Oil Age	hrs Client Info		0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		56	---	---
Iron	ppm ASTM D5185m		39	---	---
Chromium	ppm ASTM D5185m		0	---	---
Nickel	ppm ASTM D5185m		6	---	---
Titanium	ppm ASTM D5185m		<1	---	---
Silver	ppm ASTM D5185m		0	---	---
Aluminum	ppm ASTM D5185m		<1	---	---
Lead	ppm ASTM D5185m		0	---	---
Copper	ppm ASTM D5185m		9	---	---
Tin	ppm ASTM D5185m		0	---	---
Vanadium	ppm ASTM D5185m		0	---	---
Cadmium	ppm ASTM D5185m		0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		0	---	---
Barium	ppm ASTM D5185m		<1	---	---
Molybdenum	ppm ASTM D5185m		0	---	---
Manganese	ppm ASTM D5185m		<1	---	---
Magnesium	ppm ASTM D5185m		<1	---	---
Calcium	ppm ASTM D5185m		4	---	---
Phosphorus	ppm ASTM D5185m		177	---	---
Zinc	ppm ASTM D5185m		17	---	---
Sulfur	ppm ASTM D5185m		5578	---	---

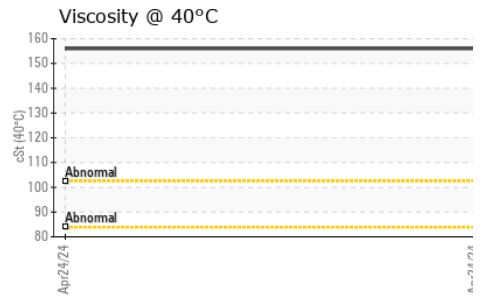
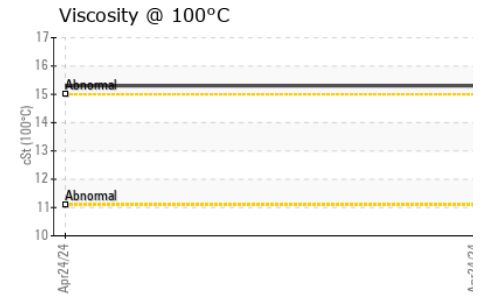
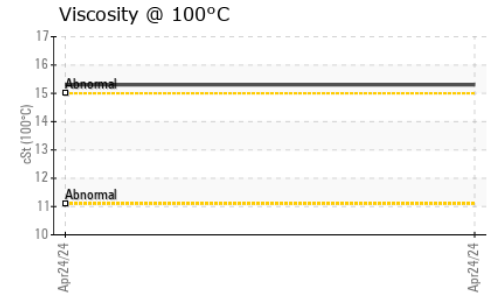
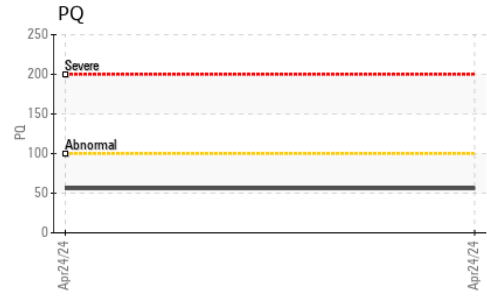
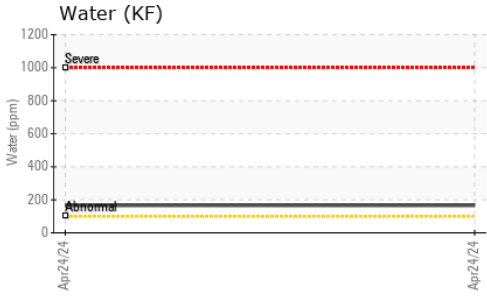
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m		1501	---	---
Sodium	ppm ASTM D5185m		3	---	---
Potassium	ppm ASTM D5185m	>20	<1	---	---
Water	% ASTM D6304		0.016	---	---
ppm Water	ppm ASTM D6304		166	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		0.46	---	---


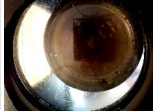
OIL ANALYSIS REPORT



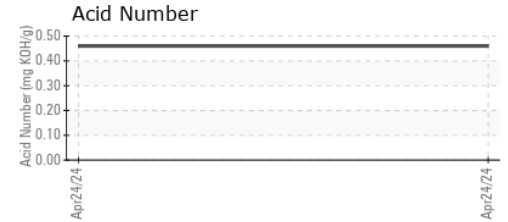
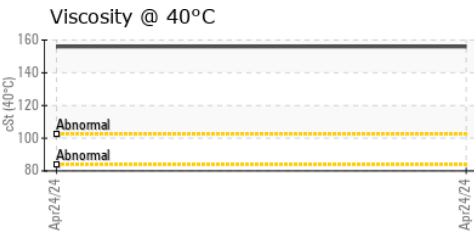
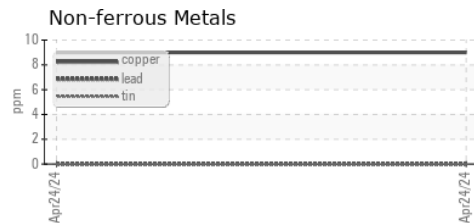
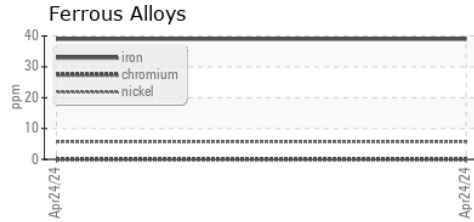
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	▲ MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	156	---	---
Visc @ 100°C	cSt	ASTM D445	15.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270	98	---	---

SAMPLE IMAGES

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50002260
Lab Number : 06160361
Unique Number : 10995784
Test Package : IND 2 (Additional Tests: KF, KV100, PQ, PrtCount, VI)

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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)