

OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
H PRESS 100
 Component
Gearbox
 Fluid
R&O OIL ISO 100 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0114531	---	---
Sample Date	Client Info	20 Dec 2023	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	Not Changed	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>200	23	---
Chromium	ppm	ASTM D5185m	>10	<1	---
Nickel	ppm	ASTM D5185m	>10	0	---
Titanium	ppm	ASTM D5185m		<1	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>25	1	---
Lead	ppm	ASTM D5185m	>50	3	---
Copper	ppm	ASTM D5185m	>200	3	---
Tin	ppm	ASTM D5185m	>10	<1	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	5	0	---
Barium	ppm	ASTM D5185m	5	10	---
Molybdenum	ppm	ASTM D5185m	5	<1	---
Manganese	ppm	ASTM D5185m		<1	---
Magnesium	ppm	ASTM D5185m	5	<1	---
Calcium	ppm	ASTM D5185m	5	7	---
Phosphorus	ppm	ASTM D5185m	100	25	---
Zinc	ppm	ASTM D5185m	25	3	---
Sulfur	ppm	ASTM D5185m	1500	381	---

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	0	---
Sodium	ppm	ASTM D5185m		38	---
Potassium	ppm	ASTM D5185m	>20	2	---

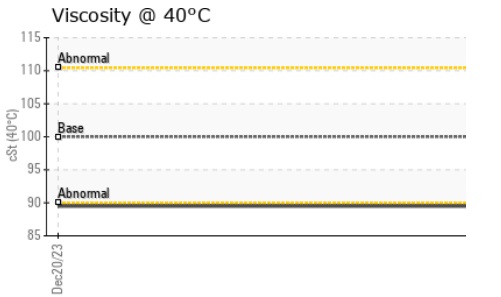
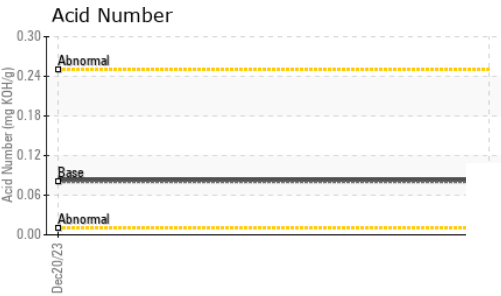
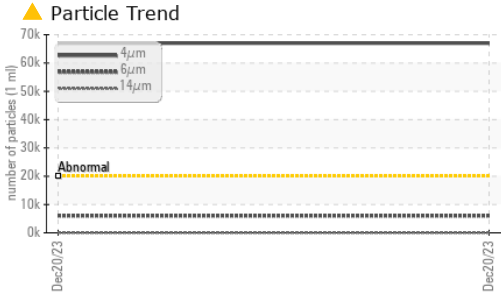
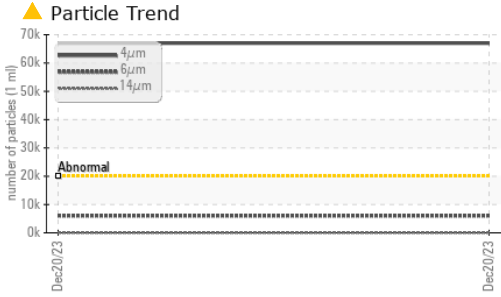
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	▲ 66989	---
Particles >6µm	ASTM D7647	>5000	▲ 6040	---
Particles >14µm	ASTM D7647	>640	49	---
Particles >21µm	ASTM D7647	>160	5	---
Particles >38µm	ASTM D7647	>40	1	---
Particles >71µm	ASTM D7647	>10	0	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 23/20/13	---

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.08	0.083	---

OIL ANALYSIS REPORT



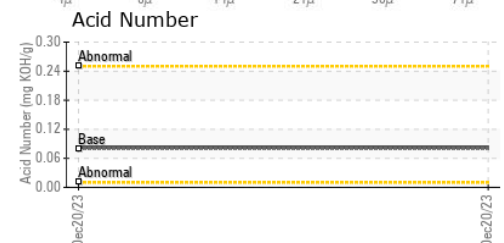
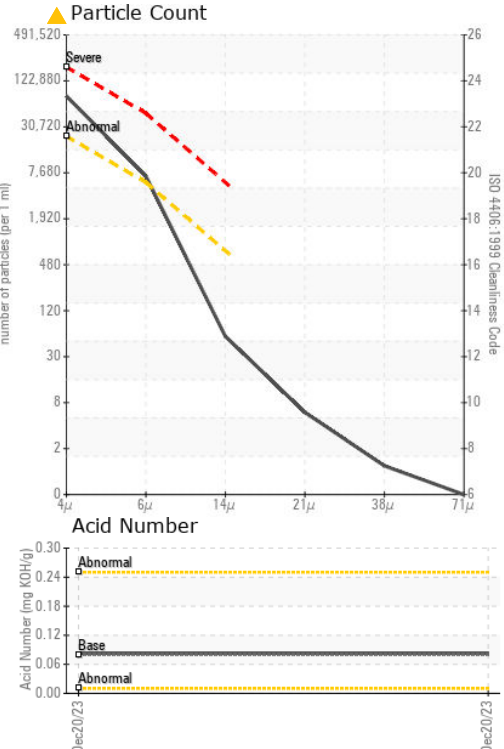
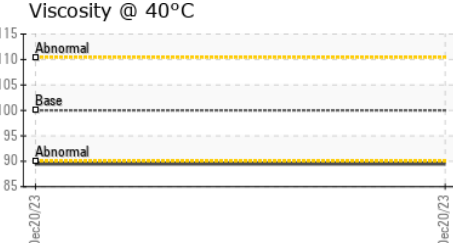
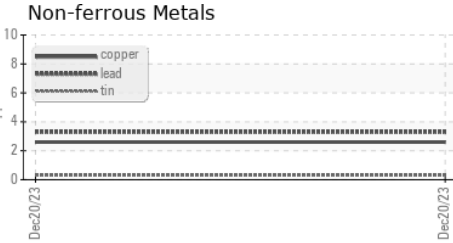
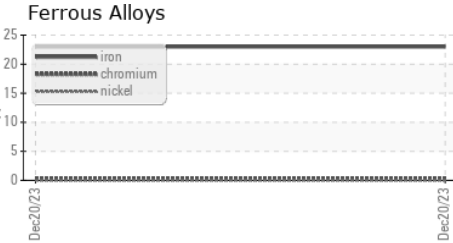
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	89.5	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0114531 **Received** : 05 Jan 2024
Lab Number : 06051841 **Diagnosed** : 08 Jan 2024
Unique Number : 10817790 **Diagnostician** : Angela Borella
Test Package : PLANT (Additional Tests: PrtCount)

KTH
 111 NORTH STATE ROUTE 235
 SAINT PARIS, OH
 US 43072
 Contact: Service Manager

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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