



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
SYNOIL 8K FG
 Machine Id
INGERSOLL RAND IRN150H NF50960U07330 - KERRY INGREDIENTS
 Component
Compressor

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCZ06087487	UCZ0455268	---
Sample Date		Client Info		04 Jan 2024	12 Sep 2018	---
Machine Age	hrs	Client Info		68392	65096	---
Oil Age	hrs	Client Info		3296	4694	---
Filter Age	hrs	Client Info		657	2228	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<1	2	---
Chromium	ppm	ASTM D5185m	>5	0	0	---
Nickel	ppm	ASTM D5185m		0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>15	0	<1	---
Lead	ppm	ASTM D5185m	>65	0	<1	---
Copper	ppm	ASTM D5185m	>65	<1	2	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

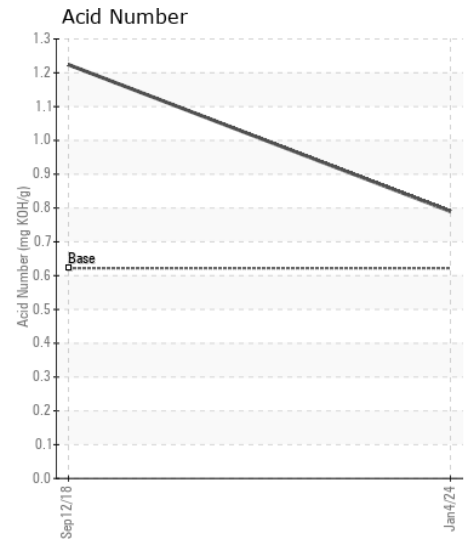
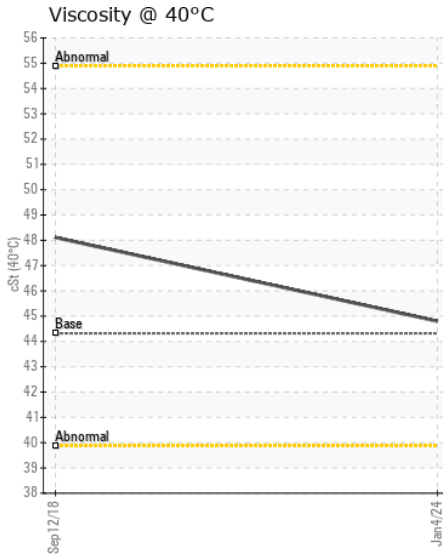
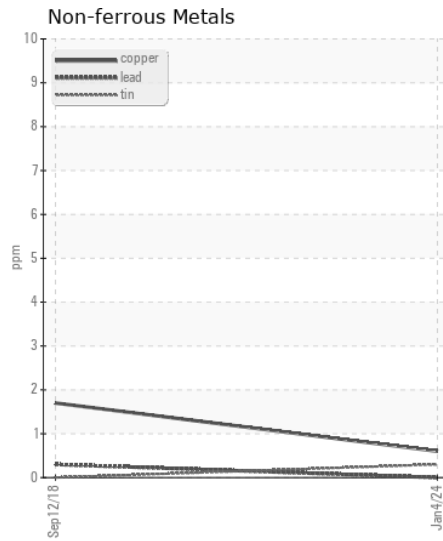
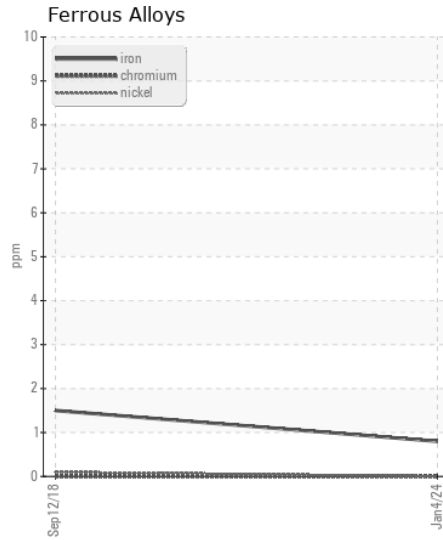
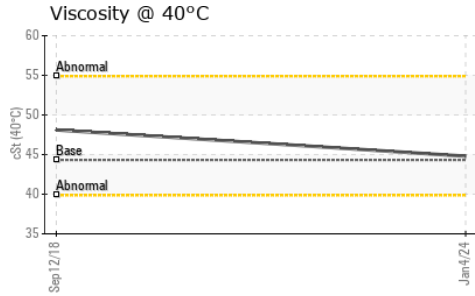
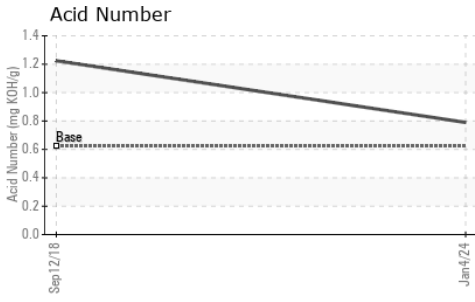
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>35	2	3	---
Potassium	ppm	ASTM D5185m	>20	0	2	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
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	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		7	9	---
Boron	ppm	ASTM D5185m	0.3	0	<1	---
Barium	ppm	ASTM D5185m	0.3	17	<1	---
Molybdenum	ppm	ASTM D5185m	0	0	0	---
Manganese	ppm	ASTM D5185m	0.9	0	0	---
Magnesium	ppm	ASTM D5185m	0.2	0	<1	---
Calcium	ppm	ASTM D5185m	0.1	<1	4	---
Phosphorus	ppm	ASTM D5185m	429	242	210	---
Zinc	ppm	ASTM D5185m	0.3	15	39	---
Sulfur	ppm	ASTM D5185m	1336	312	384	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	0.79	1.224	---
Visc @ 40°C	cSt	ASTM D445	44.32	44.8	48.11	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCZ06087487
Lab Number : 06087487
Unique Number : 10874932
Test Package : IND 2

Received : 13 Feb 2024
Tested : 14 Feb 2024
Diagnosed : 14 Feb 2024 - Don Baldrige

ZORN COMP & EQUIPMENT INC - MAIN
 1335 E WISCONSIN AVE
 PEWAUKEE, WI
 US 53072
 Contact: CHRIS BOCK
 Chris.Bock@zornair.com
 T: (800)476-4637
 F: (262)695-7017

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)