



Area
PALLUBE 32 [8017492]
Machine Id
INGERSOLL RAND UQ2080U10061 - CRC BROOKINGS
Component
Compressor

RECOMMENDATION

We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCS06175595	UCS05871010	---
Sample Date		Client Info		06 May 2024	06 Jun 2023	---
Machine Age	hrs	Client Info		18801	17519	---
Oil Age	hrs	Client Info		1282	3300	---
Filter Age	hrs	Client Info		1282	2700	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				SEVERE	ATTENTION	---

WEAR

All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	30	96	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	0	<1	---
Lead	ppm	ASTM D5185m	>25	2	1	---
Copper	ppm	ASTM D5185m	>50	▲ 60	105	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

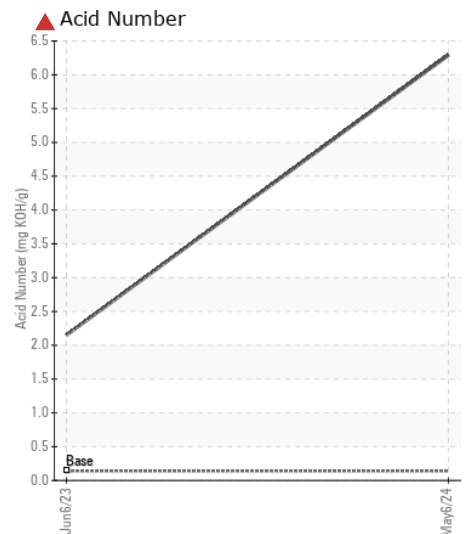
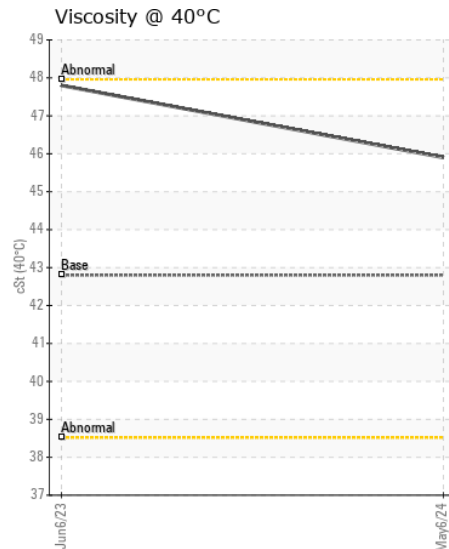
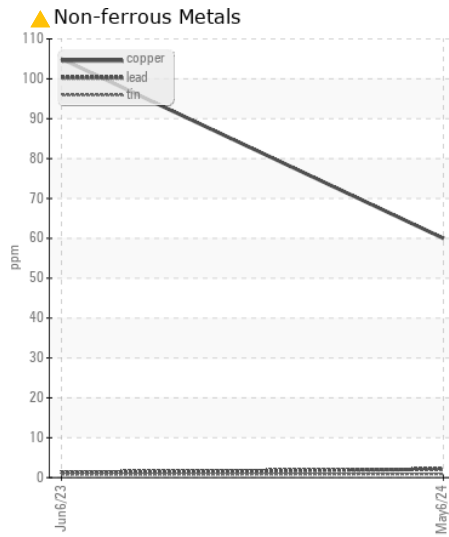
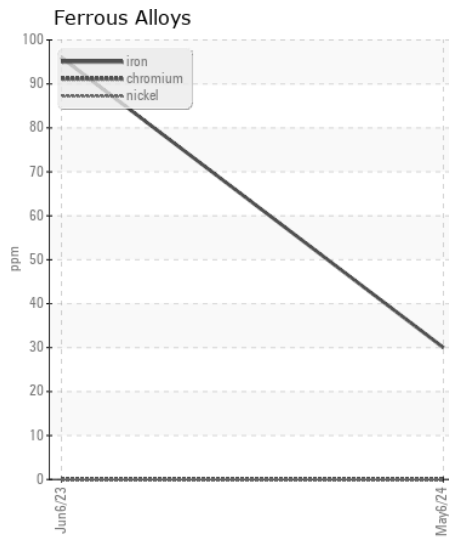
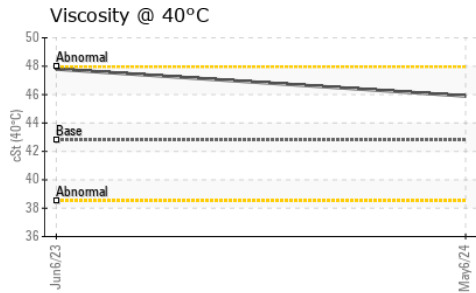
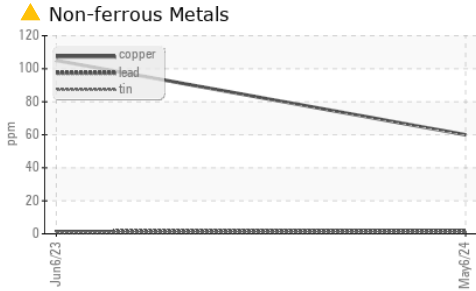
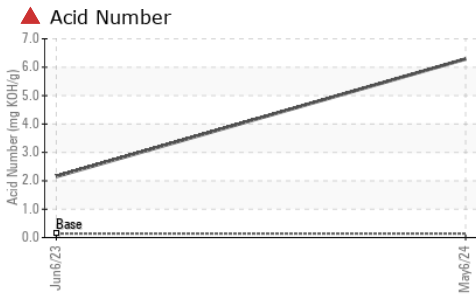
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	3	<1	---
Potassium	ppm	ASTM D5185m	>20	6	3	---
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	0.2%	---

FLUID CONDITION

The AN level is above the recommended limit. TAN level indicates possible presence of varnish.

Sodium	ppm	ASTM D5185m		60	51	---
Boron	ppm	ASTM D5185m	1	3	0	---
Barium	ppm	ASTM D5185m	730	342	98	---
Molybdenum	ppm	ASTM D5185m	0	0	0	---
Manganese	ppm	ASTM D5185m	0.0	<1	1	---
Magnesium	ppm	ASTM D5185m	0	9	14	---
Calcium	ppm	ASTM D5185m	0	62	15	---
Phosphorus	ppm	ASTM D5185m	0	5	5	---
Zinc	ppm	ASTM D5185m	0	410	554	---
Sulfur	ppm	ASTM D5185m	590	823	662	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	▲ 6.29	2.15	---
Visc @ 40°C	cSt	ASTM D445	42.8	45.9	47.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : UCS06175595

Lab Number : 06175595

Unique Number : 11021648

Test Package : IND 2

Received : 10 May 2024

Tested : 13 May 2024

Diagnosed : 13 May 2024 - Doug Bogart

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)

LIFT PRO EQUIPMENT CO

SIoux FALLS, SD
US 57104

Contact: REUBEN
tim@liftproequipment.com

T: (605)339-6494

F: