



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
NOT GIVEN
Machine Id
INGERSOLL RAND PLANT AIR 5 - TULSA CEMENT (S/N VA1073)
Component
Compressor

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06077012	---	---
Sample Date		Client Info		26 Jan 2024	---	---
Machine Age	hrs	Client Info		5152	---	---
Oil Age	hrs	Client Info		8000	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ATTENTION	---	---

WEAR

All component wear rates are normal.

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

CONTAMINATION

There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	---	---
Potassium	ppm	ASTM D5185m	>20	6	---	---
Water		WC Method	>0.8	NEG	---	---
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	>0.8	NEG	---	---

FLUID CONDITION

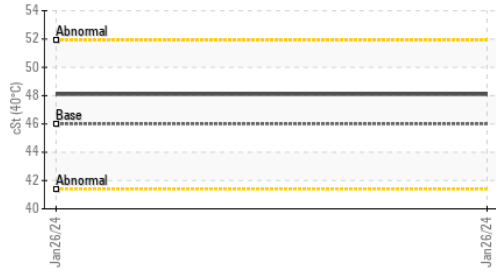
The AN level is at the top-end of the recommended limit.

Sodium	ppm	ASTM D5185m		40	---	---
Boron	ppm	ASTM D5185m	2	0	---	---
Barium	ppm	ASTM D5185m	525	538	---	---
Molybdenum	ppm	ASTM D5185m	10	0	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m	5	3	---	---
Calcium	ppm	ASTM D5185m	10	18	---	---
Phosphorus	ppm	ASTM D5185m	250	62	---	---
Zinc	ppm	ASTM D5185m	100	33	---	---
Sulfur	ppm	ASTM D5185m	400	424	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 1.26	---	---
Visc @ 40°C	cSt	ASTM D445	46	48.1	---	---

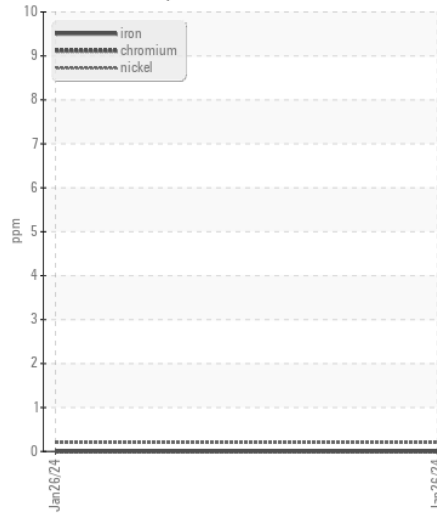
▲ Acid Number



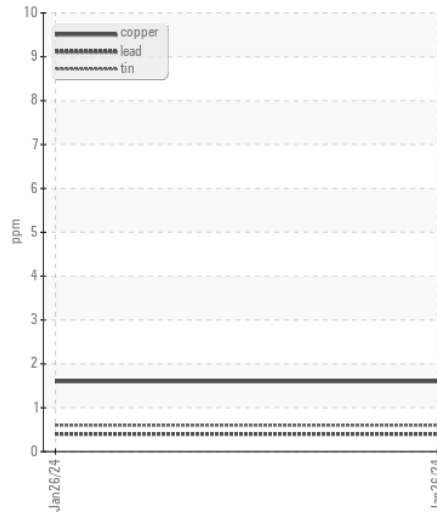
Viscosity @ 40°C



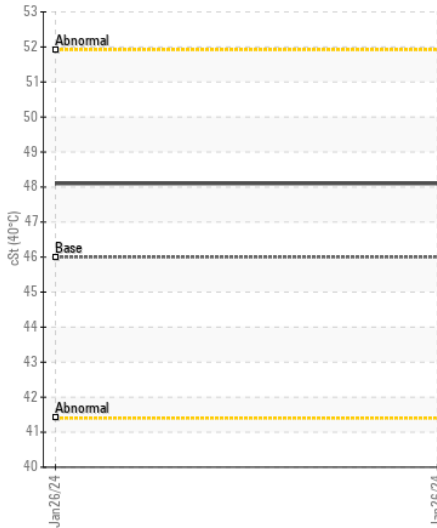
Ferrous Alloys



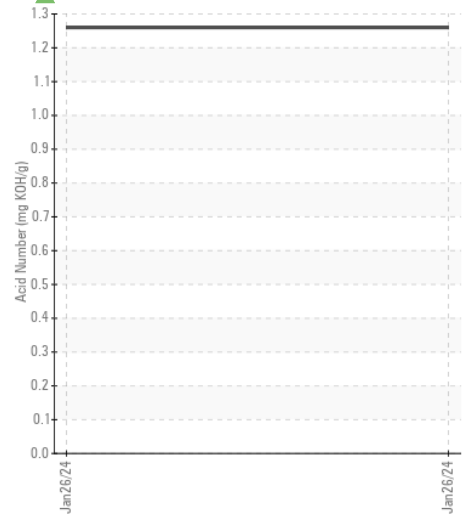
Non-ferrous Metals



Viscosity @ 40°C



▲ Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06077012 **Recieved** : 01 Feb 2024
Lab Number : 06077012 **Diagnosed** : 02 Feb 2024
Unique Number : 10859103 **Diagnostician** : Don Baldrige
Test Package : IND 2

GREEN COUNTY COMPRESSOR SERVICE
 11974 E 530 RD
 CLAREMORE, OK
 US 74019
 Contact: ASHLEY PIGUET
 ashley@gccs.us.com
 T: (918)906-6343
 F:

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)