



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area  
**SYNOIL 8K FG**  
 Machine Id  
**QUINCY QSI-600 BU1201070026 - MSI EXPRESS INC**  
 Component  
**Compressor**

## RECOMMENDATION

We advise that you check for a possible overheat condition. The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition.

## WEAR

All component wear rates are normal.

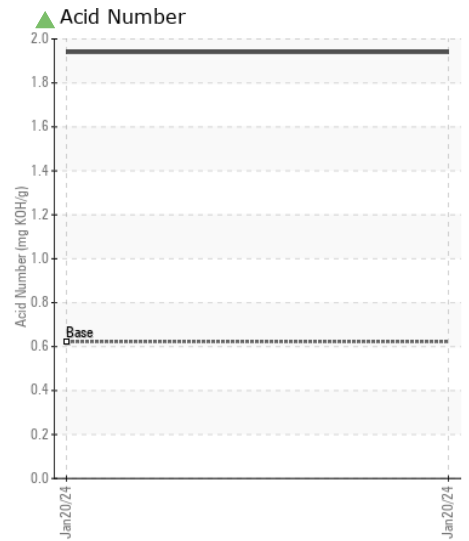
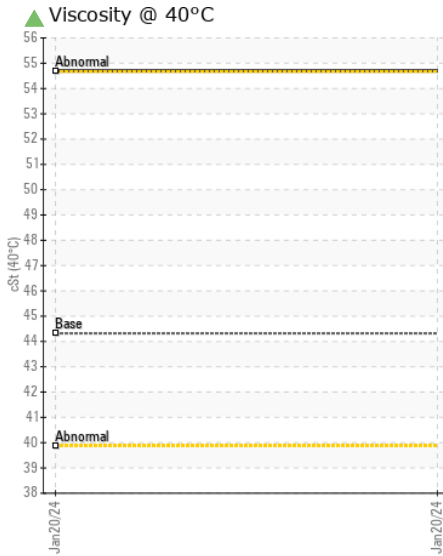
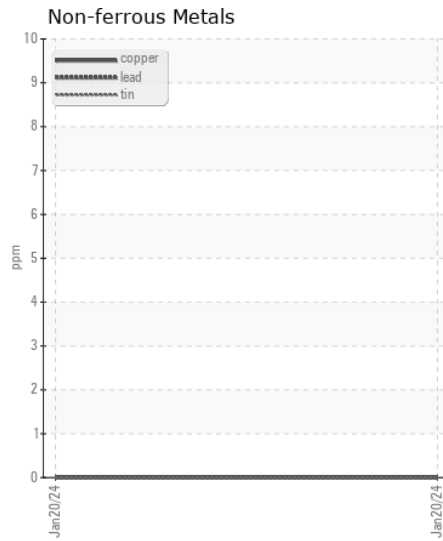
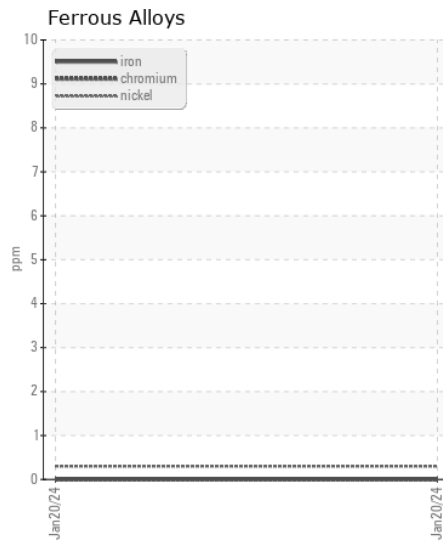
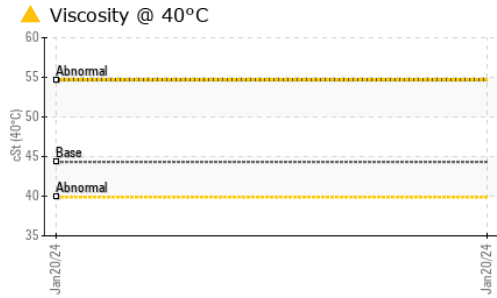
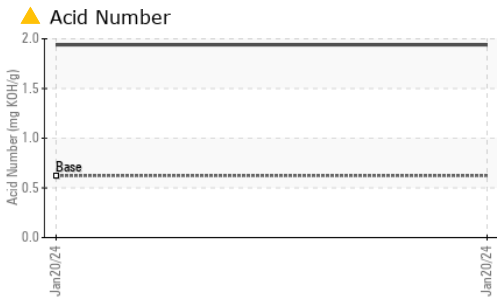
## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

The oil viscosity is higher than normal. The AN level is at the top-end of the recommended limit.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCZ06074904	---	---
Sample Date		Client Info		20 Jan 2024	---	---
Machine Age	hrs	Client Info		84677	---	---
Oil Age	hrs	Client Info		1342	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ATTENTION	---	---
Iron	ppm	ASTM D5185m	>50	0	---	---
Chromium	ppm	ASTM D5185m	>5	0	---	---
Nickel	ppm	ASTM D5185m		<1	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>15	0	---	---
Lead	ppm	ASTM D5185m	>65	0	---	---
Copper	ppm	ASTM D5185m	>65	0	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>35	3	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Sodium	ppm	ASTM D5185m		<1	---	---
Boron	ppm	ASTM D5185m	0.3	0	---	---
Barium	ppm	ASTM D5185m	0.3	0	---	---
Molybdenum	ppm	ASTM D5185m	0	0	---	---
Manganese	ppm	ASTM D5185m	0.9	<1	---	---
Magnesium	ppm	ASTM D5185m	0.2	<1	---	---
Calcium	ppm	ASTM D5185m	0.1	<1	---	---
Phosphorus	ppm	ASTM D5185m	429	49	---	---
Zinc	ppm	ASTM D5185m	0.3	0	---	---
Sulfur	ppm	ASTM D5185m	1336	190	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	▲ 1.94	---	---
Visc @ 40°C	cSt	ASTM D445	44.32	▲ 54.7	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCZ06074904 **Received** : 30 Jan 2024  
**Lab Number** : 06074904 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10856995 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

**ZORN COMP & EQUIPMENT CO (GB)**  
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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)