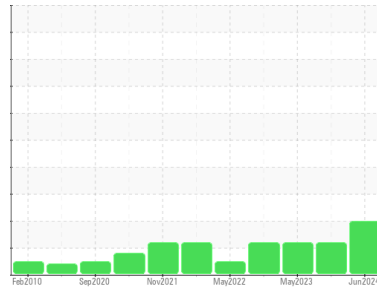




OIL ANALYSIS REPORT

Area
Synoil 8K Plus
 Machine Id
QSUB-15 97451 - PARKER
 Component
Compressor

Sample Rating Trend



DIAGNOSIS

- Recommendation**
Resample at the next service interval to monitor.
- Wear**
The copper level is abnormal. The aluminum level is abnormal.
- Contamination**
There is no indication of any contamination in the oil.
- Fluid Condition**
The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCZ06206671	UCZ06020023	UCZ05866270
Sample Date	Client Info		04 Jun 2024	20 Nov 2023	26 May 2023
Machine Age	hrs	Client Info	123125	121334	120249
Oil Age	hrs	Client Info	2786	995	5452
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	ATTENTION	ATTENTION

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	3	2	3
Chromium	ppm	ASTM D5185m >5	<1	0	0
Nickel	ppm	ASTM D5185m	0	<1	<1
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >15	▲ 15	15	0
Lead	ppm	ASTM D5185m >65	0	<1	0
Copper	ppm	ASTM D5185m >65	▲ 79	60	78
Tin	ppm	ASTM D5185m >10	<1	<1	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	<1	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.1	0	0	0
Barium	ppm	ASTM D5185m 0.8	0	0	0
Molybdenum	ppm	ASTM D5185m 0	0	<1	0
Manganese	ppm	ASTM D5185m 0.9	0	<1	<1
Magnesium	ppm	ASTM D5185m 0	1	<1	<1
Calcium	ppm	ASTM D5185m 0	0	<1	0
Phosphorus	ppm	ASTM D5185m 409	369	387	272
Zinc	ppm	ASTM D5185m 0	118	79	124
Sulfur	ppm	ASTM D5185m 1290	589	874	1273

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	1	<1	<1
Sodium	ppm	ASTM D5185m	6	0	11
Potassium	ppm	ASTM D5185m >20	2	2	3

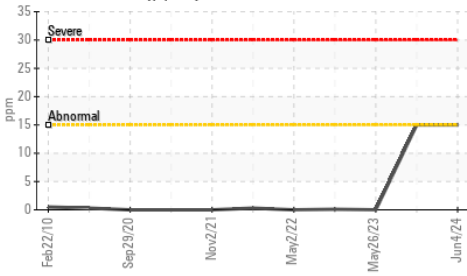
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.537	0.46	0.46	0.32

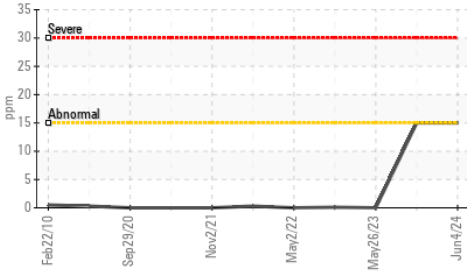


OIL ANALYSIS REPORT

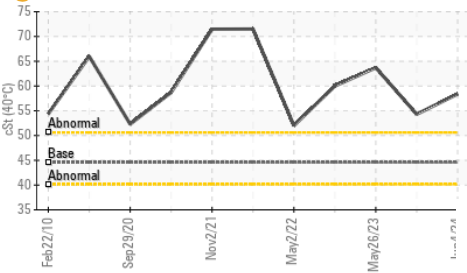
▲ Aluminum (ppm)



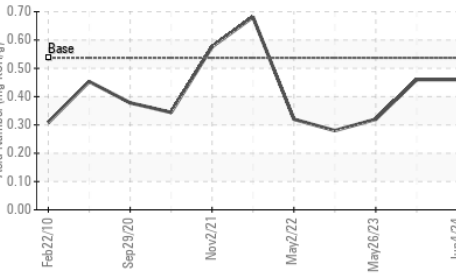
▲ Aluminum (ppm)



● Viscosity @ 40°C



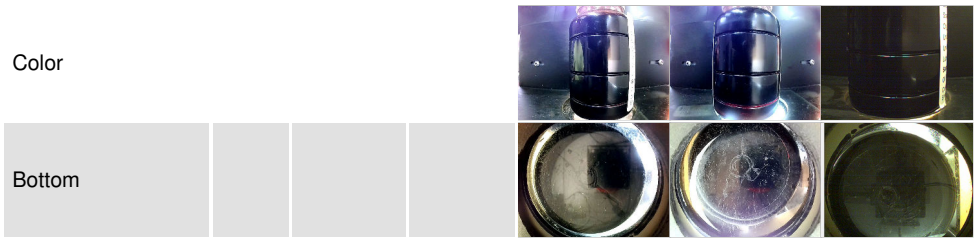
Acid Number



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG

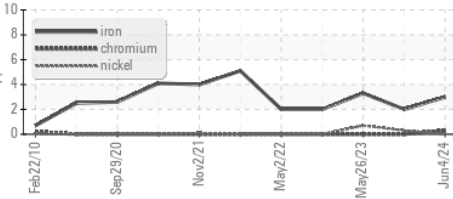
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.56 ● 58.4	54.3	63.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

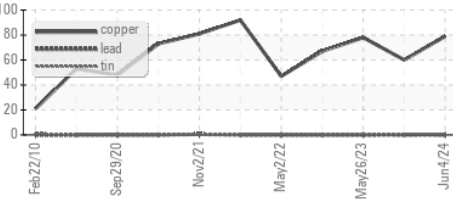


GRAPHS

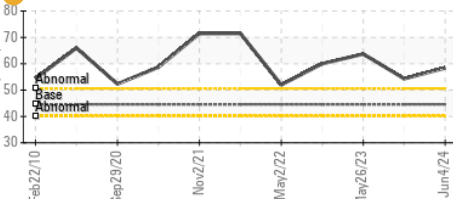
Ferrous Alloys



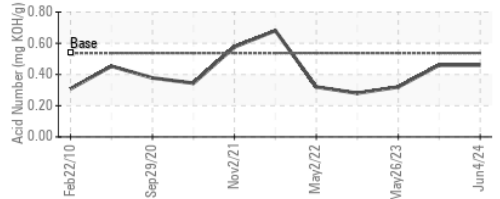
▲ Non-ferrous Metals



● Viscosity @ 40°C



Acid Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCZ06206671 **Received** : 11 Jun 2024
Lab Number : 06206671 **Tested** : 13 Jun 2024
Unique Number : 11074132 **Diagnosed** : 13 Jun 2024 - Angela Borella
Test Package : IND 2

ZORN COMP & EQUIPMENT CO (GB)
 733 POTTS AVE
 GREEN BAY, WI
 US 54304
 Contact: DEAN SCHAD
 dean.schad@zornair.com
 T: (920)391-8121
 F: (920)499-1168

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)