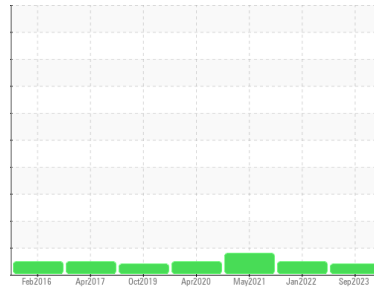




PROBLEM SUMMARY

Area
SYNOIL 8K PLUS
 Machine Id
QUINCY QSI-500 91141H - CALUMET ELECTRONICS
 Component
Compressor

Sample Rating Trend

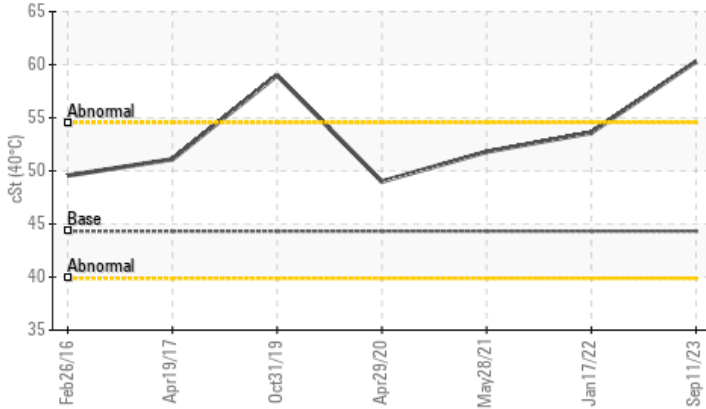


VISCOSITY



COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	NORMAL	ATTENTION
Visc @ 40°C	cSt	ASTM D445	44.32	▲ 60.3	53.6	51.8

Customer Id: UCZORGRE
 Sample No.: UCZ05961349
 Lab Number: 05961349
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

17 Jan 2022 Diag: Angela Borella

NORMAL



No corrective action is recommended at this time. Resample at the next service interval to monitor. An increase in the copper level is noted. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



28 May 2021 Diag: Jonathan Hester

WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. An increase in the copper level is noted. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



29 Apr 2020 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

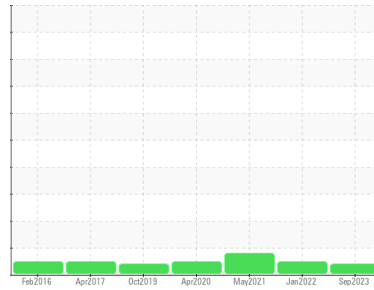
view report





OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Area
SYNOIL 8K PLUS
 Machine Id
QUINCY QSI-500 91141H - CALUMET ELECTRONICS
 Component
Compressor

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

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 acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCZ05961349	UCZ05458439	UCZ05274399
Sample Date	Client Info		11 Sep 2023	17 Jan 2022	28 May 2021
Machine Age	hrs	Client Info	100074	94515	91684
Oil Age	hrs	Client Info	5500	8000	5000
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ATTENTION	NORMAL	ATTENTION

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	<1	<1
Chromium	ppm	ASTM D5185m >5	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	<1	<1
Aluminum	ppm	ASTM D5185m >15	0	<1	0
Lead	ppm	ASTM D5185m >65	0	<1	<1
Copper	ppm	ASTM D5185m >65	<1	40	▲ 36
Tin	ppm	ASTM D5185m >10	<1	<1	<1
Antimony	ppm	ASTM D5185m	---	<1	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.3	0	<1	2
Barium	ppm	ASTM D5185m 0.3	0	<1	0
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m 0.9	<1	0	0
Magnesium	ppm	ASTM D5185m 0.2	0	0	0
Calcium	ppm	ASTM D5185m 0.1	0	<1	0
Phosphorus	ppm	ASTM D5185m 429	316	290	298
Zinc	ppm	ASTM D5185m 0.3	0	103	75
Sulfur	ppm	ASTM D5185m 1336	646	144	216

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	1	<1	<1
Sodium	ppm	ASTM D5185m	<1	2	4
Potassium	ppm	ASTM D5185m >20	0	<1	<1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.622	1.31	0.74	0.579

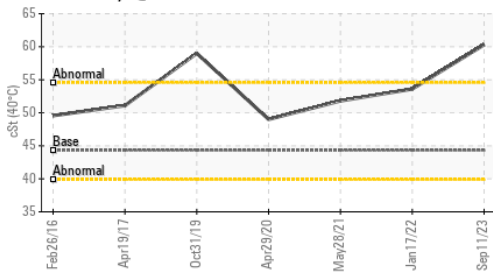
VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG		

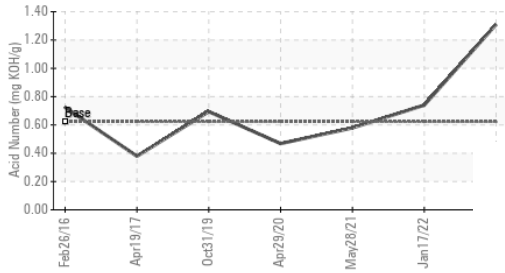


OIL ANALYSIS REPORT

▲ Viscosity @ 40°C



Acid Number



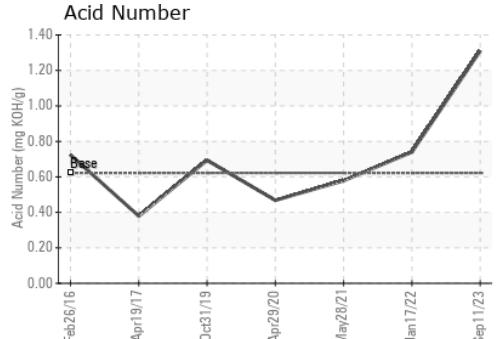
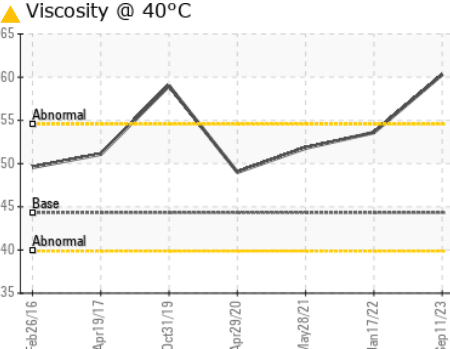
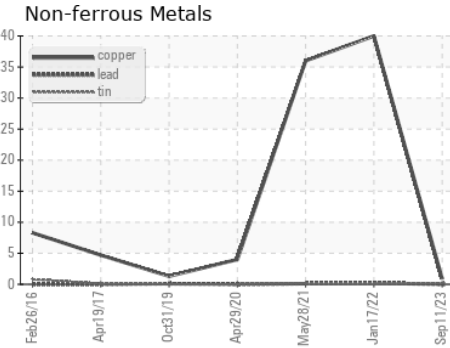
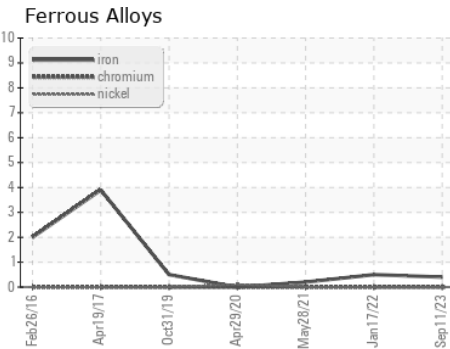
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	44.32 ▲ 60.3	53.6	51.8

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color				
Bottom				

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCZ05961349 **Received** : 26 Sep 2023
Lab Number : **05961349** **Diagnosed** : 28 Sep 2023
Unique Number : 10662562 **Diagnostician** : Jonathan Hester
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

Certificate L2367
 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)