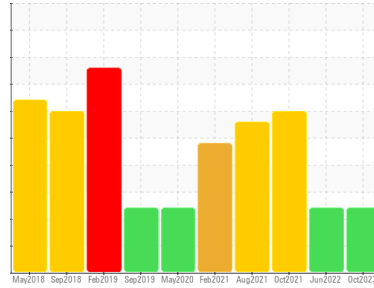




PROBLEM SUMMARY

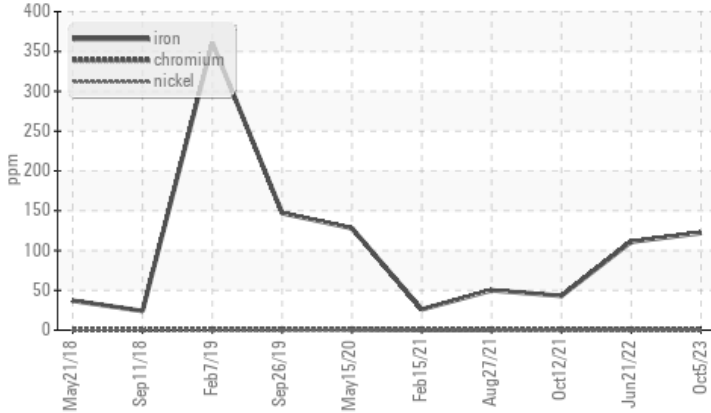
Sample Rating Trend



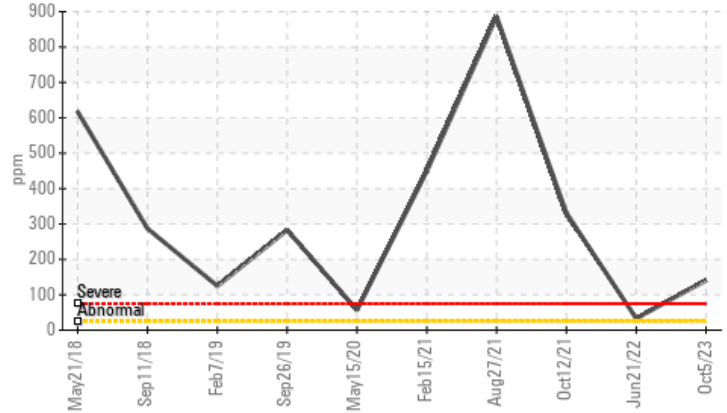
Area
TUTHILL ISO 100 [6206]
 Machine Id
FILLER BLOWER 2 1711-35228-2-3 - OWENS CORNING
 Component
Compressor

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



▲ Silicon (ppm)



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status		ATTENTION	ATTENTION	SEVERE	
Iron	ppm	ASTM D5185m >50	▲ 122	▲ 111	43
Silicon	ppm	ASTM D5185m >25	▲ 141	▲ 33	● 331

Customer Id: UCDEL DOW
 Sample No.: UCH05982472
 Lab Number: 05982472
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

21 Jun 2022 Diag: Jonathan Hester

DIRT



The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The iron level is abnormal. All other component wear rates are normal. Elemental level of silicon (Si) above normal. There is a moderate amount of visible silt present in the sample. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



12 Oct 2021 Diag: Jonathan Hester

DIRT



We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. Elemental level of silicon (Si) above normal. The AN level is above the recommended limit.

view report



27 Aug 2021 Diag: Jonathan Hester

DIRT



The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The iron level is abnormal. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid.

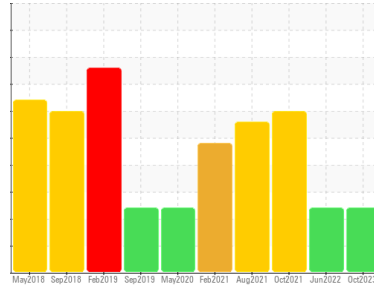
view report





OIL ANALYSIS REPORT

Sample Rating Trend



Area
TUTHILL ISO 100 [6206]
 Machine Id
FILLER BLOWER 2 1711-35228-2-3 - OWENS CORNING
 Component
Compressor

DIAGNOSIS

- Recommendation**
Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.
- Wear**
The iron level is abnormal. All other component wear rates are normal.
- Contamination**
Elemental level of silicon (Si) above normal.
- Fluid Condition**
The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	UCH05982472	UCH05596119	UCH05375435
Sample Date	Client Info	05 Oct 2023	21 Jun 2022	12 Oct 2021
Machine Age	hrs	5598	4141	3091
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		ATTENTION	ATTENTION	SEVERE

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >50	▲ 122	▲ 111	43
Chromium ppm	ASTM D5185m >10	0	<1	<1
Nickel ppm	ASTM D5185m	0	0	<1
Titanium ppm	ASTM D5185m	0	<1	<1
Silver ppm	ASTM D5185m	0	<1	<1
Aluminum ppm	ASTM D5185m >25	0	5	2
Lead ppm	ASTM D5185m >25	0	<1	0
Copper ppm	ASTM D5185m >50	2	<1	<1
Tin ppm	ASTM D5185m >15	<1	<1	<1
Antimony ppm	ASTM D5185m	---	---	<1
Vanadium ppm	ASTM D5185m	0	0	<1
Cadmium ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	0	2	0
Barium ppm	ASTM D5185m	0	0	0
Molybdenum ppm	ASTM D5185m	0	0	<1
Manganese ppm	ASTM D5185m	1	<1	<1
Magnesium ppm	ASTM D5185m	<1	2	4
Calcium ppm	ASTM D5185m	0	31	13
Phosphorus ppm	ASTM D5185m	583	544	618
Zinc ppm	ASTM D5185m	346	2	7
Sulfur ppm	ASTM D5185m	818	1111	893

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	▲ 141	▲ 33	● 331
Sodium ppm	ASTM D5185m	21	0	0
Potassium ppm	ASTM D5185m >20	0	1	<1

FLUID DEGRADATION

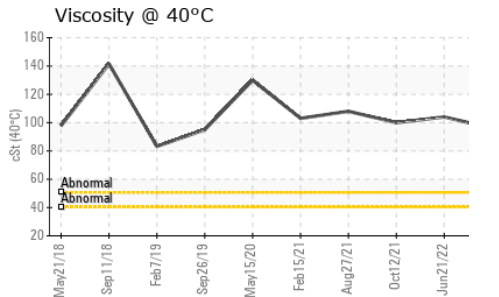
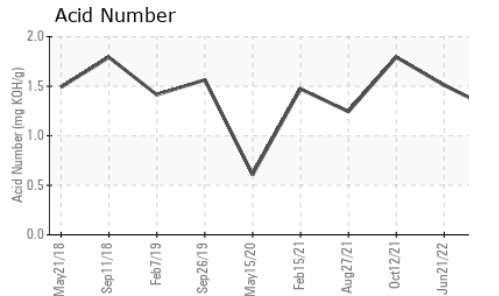
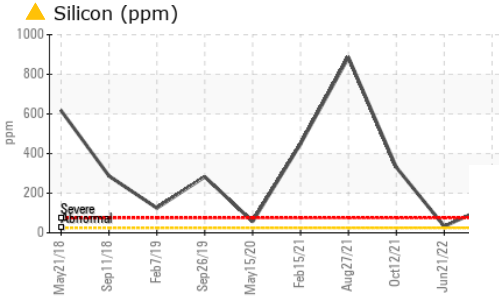
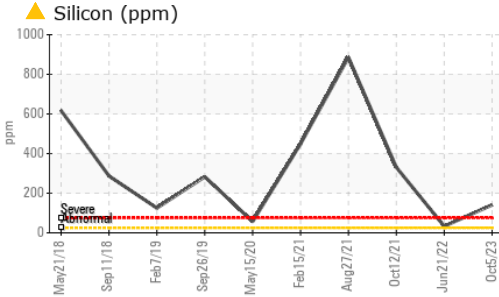
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	1.27	1.51	▲ 1.793

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	MODER	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	NEG	NEG

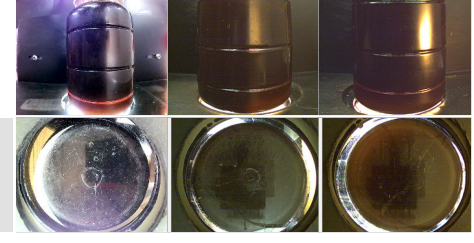


OIL ANALYSIS REPORT

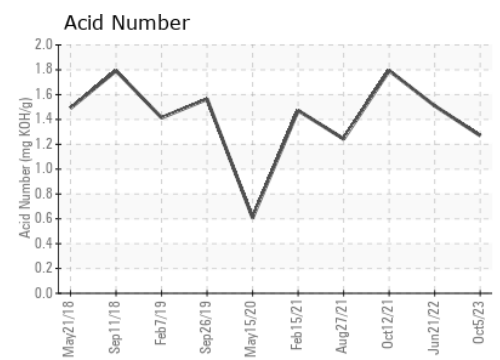
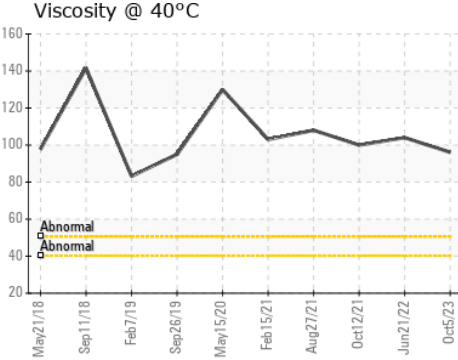
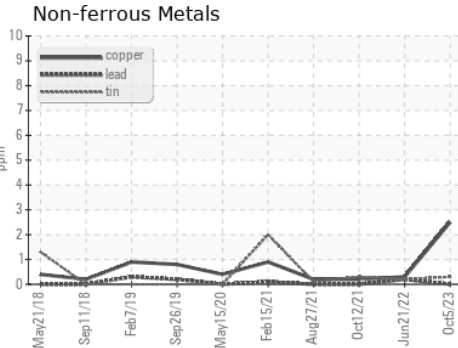
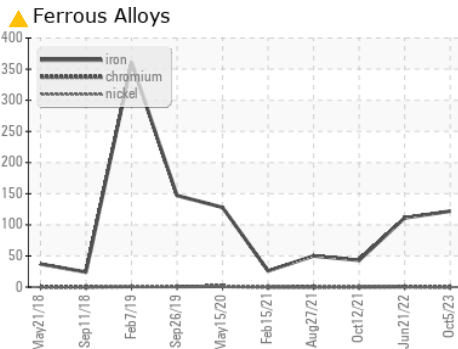


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		96.1	104	100

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05982472
Lab Number : 05982472
Unique Number : 10699767
Test Package : IND 2

DELTA INDUSTRIES - DOWNERS GROVE
 2201 CURTISS STREET
 DOWNERS GROVE, IL
 US 60515
 Contact: MICHAEL FERRIS

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)

T:
 F: (630)960-3931