



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area  
**DF8 PLUS [7973]**  
 Machine Id  
**KAESER 1039 - FRESH EXPRESS**  
 Component  
**Compressor**

**RECOMMENDATION**

Oil and filter change at the time of sampling has been noted. 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**

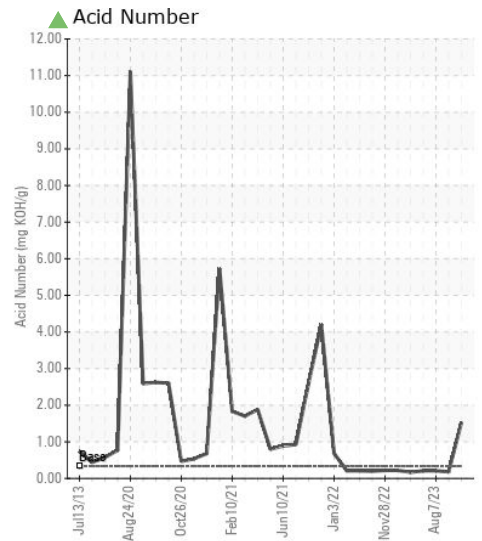
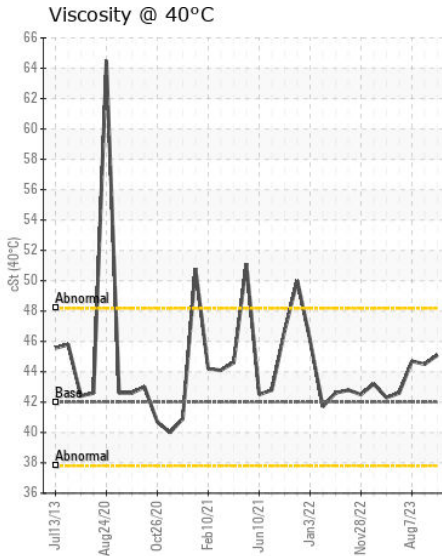
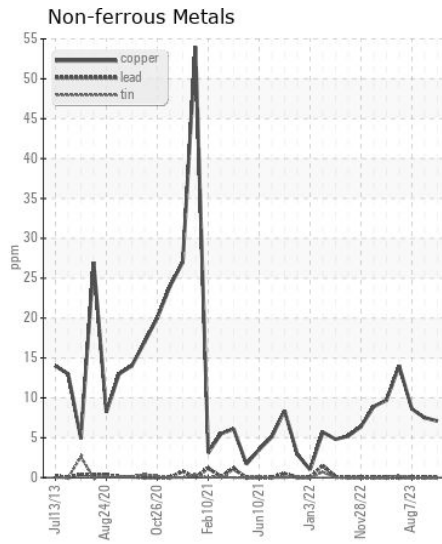
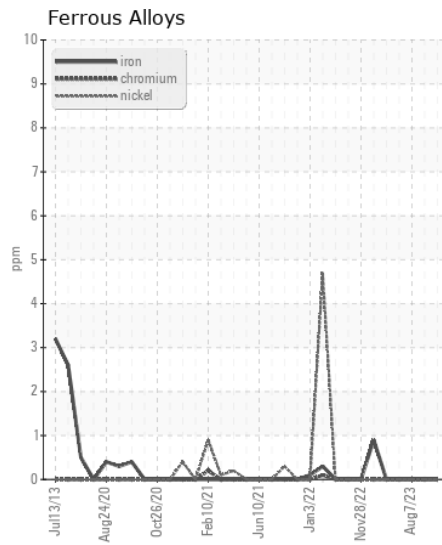
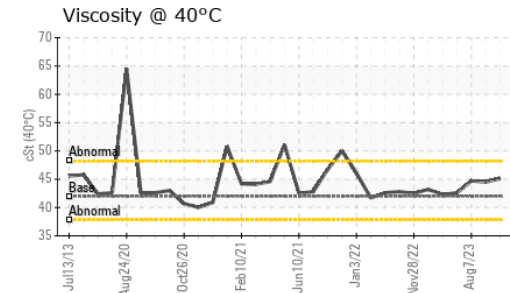
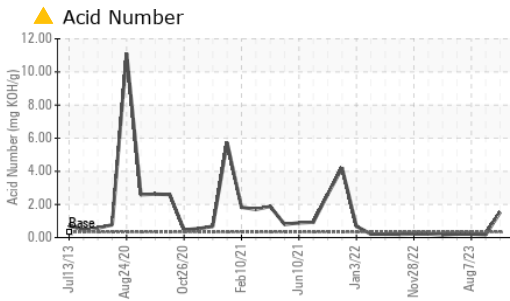
The AN level is at the top-end of the recommended limit.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06055469	UCH05969727	UCH05926777
Sample Date		Client Info		28 Dec 2023	18 Sep 2023	07 Aug 2023
Machine Age	hrs	Client Info		48160	46992	46416
Oil Age	hrs	Client Info		3842	2882	2306
Filter Age	hrs	Client Info		3842	2882	2306
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	7	8	9
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.05	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	>0.05	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		<1	0	<1
Boron	ppm	ASTM D5185m	1	0	0	0
Barium	ppm	ASTM D5185m	0.3	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0	<1
Magnesium	ppm	ASTM D5185m	0	0	0	1
Calcium	ppm	ASTM D5185m	0.5	0	0	0
Phosphorus	ppm	ASTM D5185m	536	41	56	80
Zinc	ppm	ASTM D5185m	0.2	0	13	33
Sulfur	ppm	ASTM D5185m	649	296	552	679
Acid Number (AN)	mg KOH/g	ASTM D8045	0.337	▲ 1.53	0.18	0.21
Visc @ 40°C	cSt	ASTM D445	42.0	45.1	44.5	44.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06055469 **Received** : 09 Jan 2024  
**Lab Number** : 06055469 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10821418 **Diagnostician** : Jonathan Hester  
**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