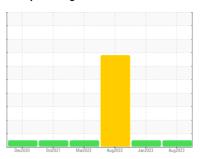


OIL ANALYSIS REPORT

MASS 46 QUINCY UTY301292 - MIDDLEVILLE TOOL & DIE (S/N UTY301242)

Compressor



Sample Rating Trend



Recommendation

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

Fluid Condition

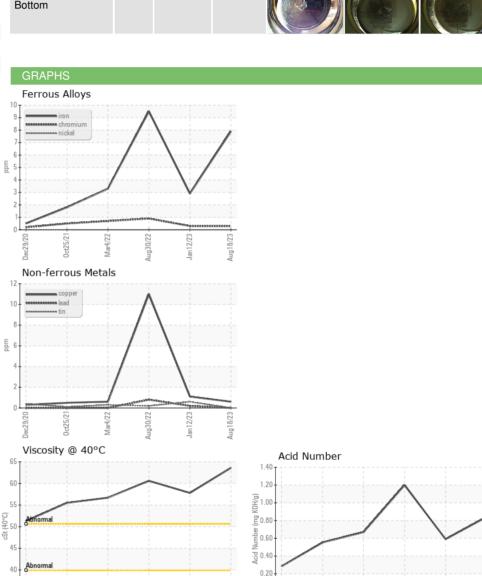
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Dec.2020	0et2021 Mar2022	Aug2022 Jan2023	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH05938350	UCH05739760	UCH05634441
Sample Date		Client Info		18 Aug 2023	12 Jan 2023	30 Aug 2022
Machine Age	hrs	Client Info		41303	39568	38348
Oil Age	hrs	Client Info		3000	1169	8948
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				NORMAL	NORMAL	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8	3	10
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	1	6
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>50	<1	1	11
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		۰ <1	0	0
Molybdenum		ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		<1	0	4
Phosphorus	ppm	ASTM D5185m		446	594	390
Zinc	ppm	ASTM D5185m		1	0	10
Sulfur	ppm	ASTM D5185m		506	758	181
			lineit/lenen			
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	2	5 1
Sodium	ppm	ASTM D5185m	00	<1	<1	
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.84	0.59	1.20
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	MODER
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	<u>0.2%</u>
Free Water	scalar	*Visual		NEG	NEG	10.0



OIL ANALYSIS REPORT









Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number**

: UCH05938350 : 05938350 : 10628962 Test Package : IND 2

35

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 30 Aug 2023 : 31 Aug 2023 Diagnosed

Jan 12/23

Diagnostician : Doug Bogart

0.00

4511 CLAY AVE SW GRAND RAPIDS, MI

57.8

▲ 60.6

US 49548 Contact: KEVIN GEERTMAN

MICHIGAN AIR SOLUTIONS

kevin@mi-air.com

T: F: (616)531-0084

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)

Aug30/22