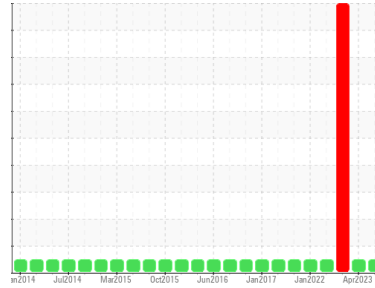


Area
AURORA 4010
 Machine Id
QUINCY BU1109300031 - DRUMMOND/ABC COKE
 Component
Compressor



DIAGNOSIS

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			UCP06010986	UCP05923466	UCP05780209
Sample Date	Client Info			08 Sep 2023	28 Apr 2023	25 Jan 2023
Machine Age	hrs	Client Info		82513	79450	77222
Oil Age	hrs	Client Info		2021	2228	8745
Oil Changed	Client Info			Not Chngd	Not Chngd	Changed
Sample Status				NORMAL	NORMAL	SEVERE

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

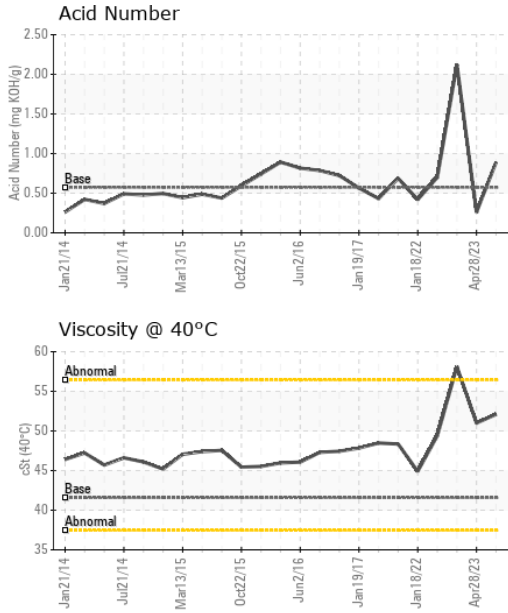
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8	25	840
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m		0	0	2
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	18
Lead	ppm	ASTM D5185m	>25	0	0	9
Copper	ppm	ASTM D5185m	>50	8	12	524
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	9	14	93
Barium	ppm	ASTM D5185m	0.4	0	0	4
Molybdenum	ppm	ASTM D5185m	0.5	0	0	0
Manganese	ppm	ASTM D5185m	0.4	0	0	2
Magnesium	ppm	ASTM D5185m	0	<1	0	0
Calcium	ppm	ASTM D5185m	0.3	0	0	1
Phosphorus	ppm	ASTM D5185m	1376	610	696	430
Zinc	ppm	ASTM D5185m	0	33	14	609
Sulfur	ppm	ASTM D5185m	320	454	703	383

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	8
Sodium	ppm	ASTM D5185m		0	<1	10
Potassium	ppm	ASTM D5185m	>20	0	0	2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.573	0.89	0.26	2.12

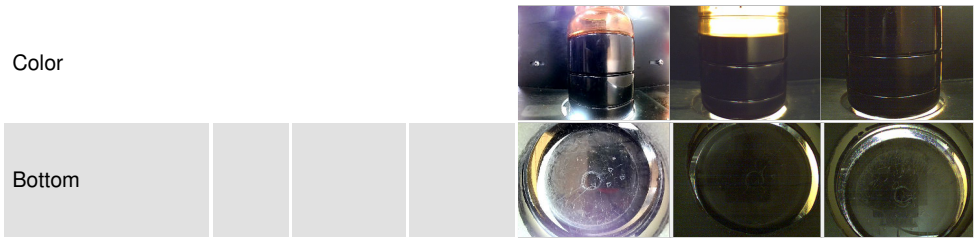
OIL ANALYSIS REPORT



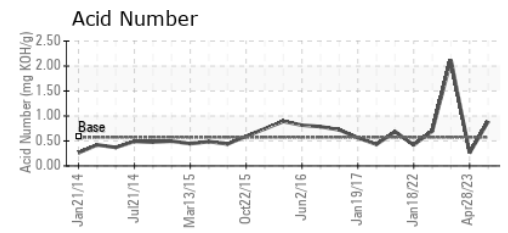
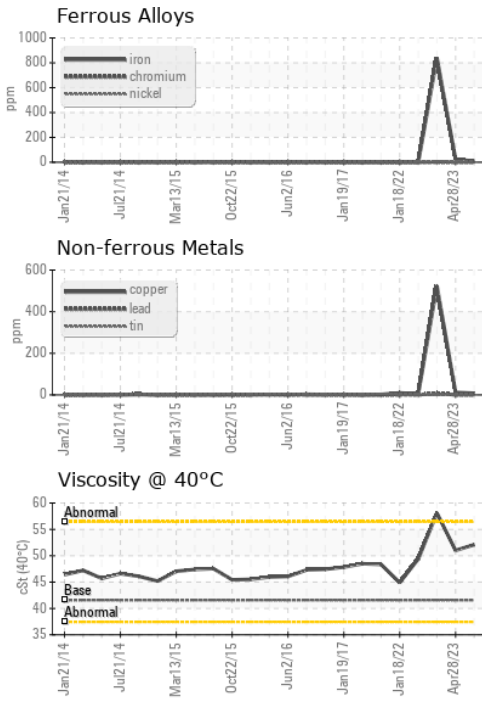
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	41.57	52.1	51.0 ▲ 58.1

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCP06010986 **Received** : 17 Nov 2023
Lab Number : **06010986** **Diagnosed** : 21 Nov 2023
Unique Number : 10750130 **Diagnostician** : Don Baldrige
Test Package : IND 2

PATTONS INC - BIRMINGHAM
 20 MONROE DR
 PELHAM, AL
 US 35124
 Contact: MARK FLOYD
 mark.floyd@pattonsync.com
 T:
 F: (205)780-4508

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)