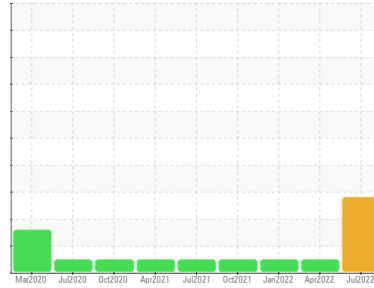




PROBLEM SUMMARY

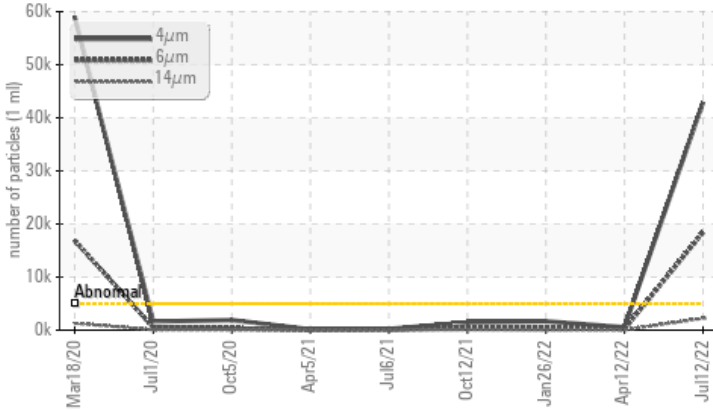
Area
CENTRIFUGES
 Machine Id
Q-603 - CENTRIFUGE 3
 Component
Circulating System
 Fluid
MOBIL SHC 626 (15 GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	ASTM D7647	ASTM D7647	ABNORMAL	NORMAL	NORMAL
Particles >4µm	ASTM D7647	>5000	▲ 42922	546	1678
Particles >6µm	ASTM D7647	>1300	▲ 18434	226	555
Particles >14µm	ASTM D7647	>160	▲ 2234	35	42
Particles >21µm	ASTM D7647	>40	▲ 551	5	10
Particles >38µm	ASTM D7647	>10	▲ 50	0	0
Particles >71µm	ASTM D7647	>3	▲ 4	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 23/21/18	16/15/12	18/16/13

Customer Id: POEGRO
 Sample No.: WC0720828
 Lab Number: 05592471
 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 Filter	MISSED	Aug 11 2022	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

12 Apr 2022 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. 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



26 Jan 2022 Diag: Don Baldrige

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 amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



12 Oct 2021 Diag: Doug Bogart

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 amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

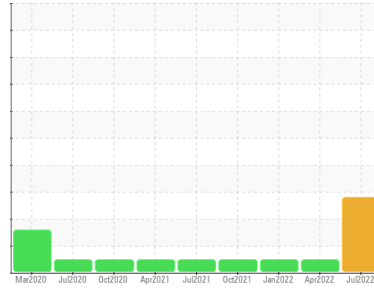
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
CENTRIFUGES
 Machine Id
Q-603 - CENTRIFUGE 3
 Component
Circulating System
 Fluid
MOBIL SHC 626 (15 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present 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	history 1	history 2
Sample Number	Client Info		WC0720828	WC0689385	WC0663861
Sample Date	Client Info		12 Jul 2022	12 Apr 2022	26 Jan 2022
Machine Age	mths	Client Info	19	19	19
Oil Age	mths	Client Info	0	3	3
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			ABNORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	2	4	3
Chromium	ppm	ASTM D5185m	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m	<1	<1	<1
Lead	ppm	ASTM D5185m	<1	0	0
Copper	ppm	ASTM D5185m	<1	0	<1
Tin	ppm	ASTM D5185m	0	0	0
Antimony	ppm	ASTM D5185m	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m	<1	0	0
Calcium	ppm	ASTM D5185m	0	0	<1
Phosphorus	ppm	ASTM D5185m	476	512	428
Zinc	ppm	ASTM D5185m	1	<1	2
Sulfur	ppm	ASTM D5185m	13	13	14

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	<1	2	<1
Sodium	ppm	ASTM D5185m	0	0	0
Potassium	ppm	ASTM D5185m	>20	0	0
Water	%	ASTM D6304	0.008	0.002	0.001
ppm Water	ppm	ASTM D6304	84.0	20.9	13.0

FLUID CLEANLINESS

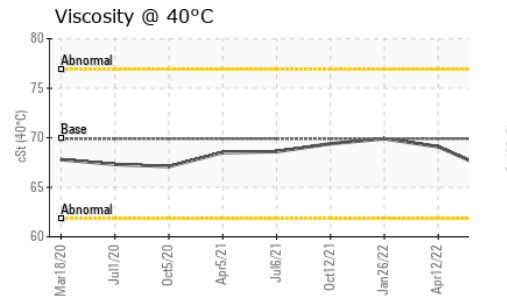
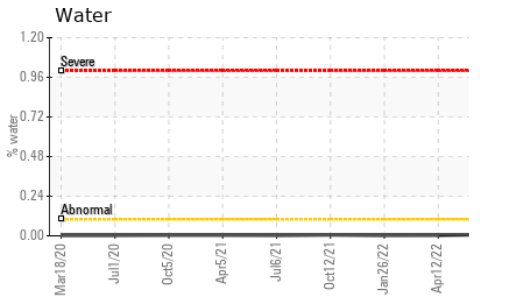
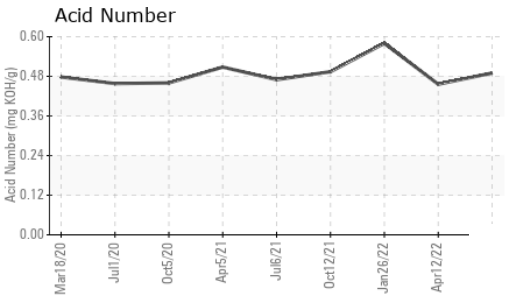
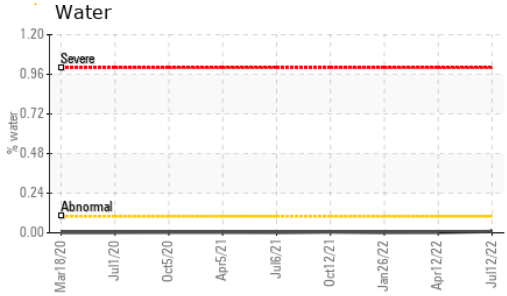
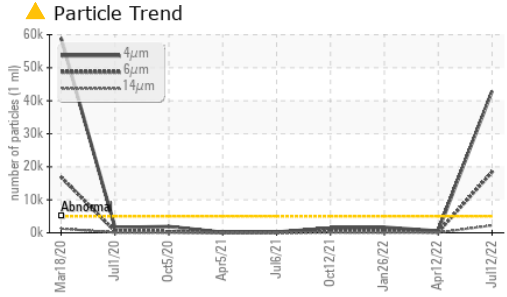
	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	>5000	▲ 42922	546	1678
Particles >6µm	ASTM D7647	>1300	▲ 18434	226	555
Particles >14µm	ASTM D7647	>160	▲ 2234	35	42
Particles >21µm	ASTM D7647	>40	▲ 551	5	10
Particles >38µm	ASTM D7647	>10	▲ 50	0	0
Particles >71µm	ASTM D7647	>3	▲ 4	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 23/21/18	16/15/12	18/16/13

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.49	0.456	0.58



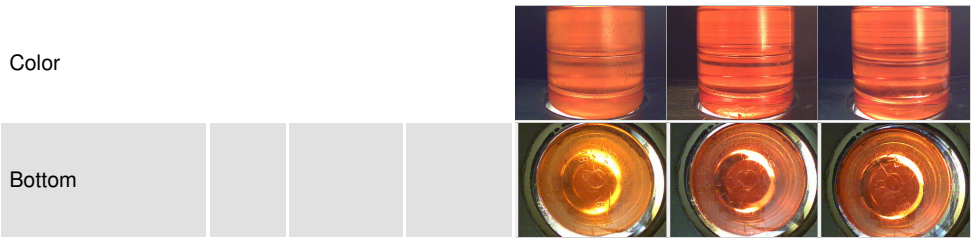
OIL ANALYSIS REPORT



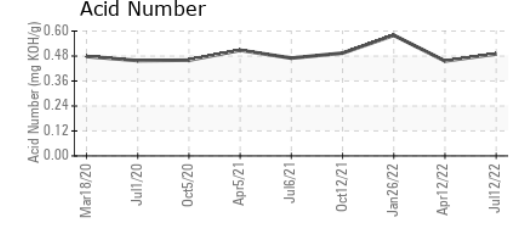
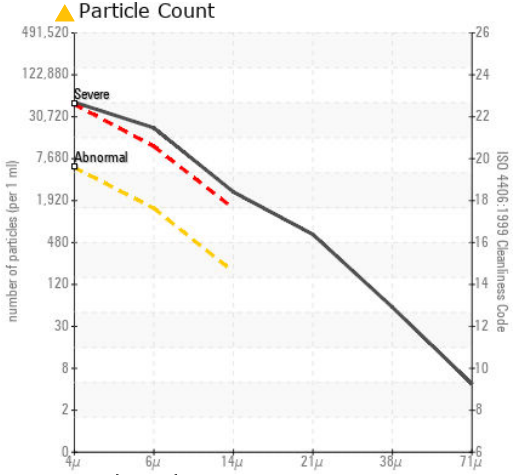
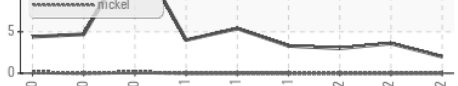
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	69.9	66.7	69.1

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0720828 **Received** : 15 Jul 2022
Lab Number : 05592471 **Diagnosed** : 18 Jul 2022
Unique Number : 10051918 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

POET BIOREFINING - Groton
 40425 133RD STREET
 GROTON, SD
 US 57445-6400
 Contact: GAVIN KRUEGER
 Gavin.Krueger@POET.COM
 T: 6(05) 846-6863
 F: (605)397-2754

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)