

# **OIL ANALYSIS REPORT**

# Area CENTRIFUGES Machine Id Q-603 - CENTRIFUGE 3

Circulating System Fluid MOBIL SHC 626 (15 GAL)

#### DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## Wear

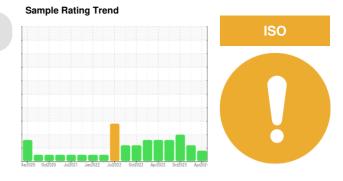
All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

### Fluid Condition

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



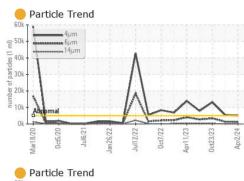
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0919948	WC0896662	WC0871612
Sample Date		Client Info		02 Apr 2024	12 Jan 2024	23 Oct 2023
Machine Age	mths	Client Info		240	240	240
Oil Age	mths	Client Info		240	240	0
Oil Changed	intilo	Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	Innibodoo	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		3	2	0
Chromium	ppm	ASTM D5185m		<1	0	0
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	1	0
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		<1	<1	0
Tin	ppm	ASTM D5185m		<1	0	0
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	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	4
Calcium	ppm	ASTM D5185m		3	<1	1
Phosphorus	ppm	ASTM D5185m		414	493	501
Zinc	ppm	ASTM D5185m		2	0	0
Sulfur	ppm	ASTM D5185m		0	0	14
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<1	6	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	1	<1	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>6</b> 5072	5508	13237
Particles >6µm		ASTM D7647	>1300	1272	1349	▲ 3423
Particles >14µm		ASTM D7647	>160	85	85	<b>2</b> 18
Particles >21µm		ASTM D7647	>40	14	24	<u> </u>
Particles >38µm		ASTM D7647	>10	0	3	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>e</b> 20/17/14	20/18/14	<b>2</b> 1/19/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) :00:08) Rev: 1	mg KOH/g	ASTM D8045		0.53	0.52 ubmitted By: GA	0.47

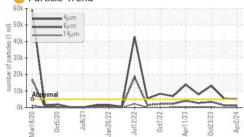
Report Id: POEGRO [WUSCAR] 06138512 (Generated: 04/06/2024 12:00:08) Rev: 1

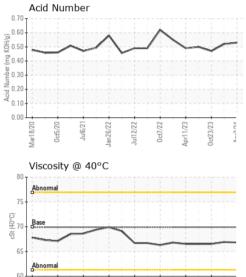
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Jan 26/22

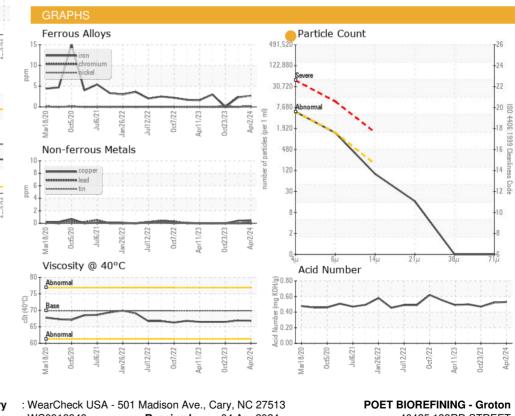
C/SIII

Mar18/20

0ct7/22

Apr11/23

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	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		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	69.9	66.8	66.9	66.5
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						



Laboratory Sample No. : WC0919948 Received : 04 Apr 2024 40425 133RD STREET Lab Number : 06138512 Tested : 05 Apr 2024 GROTON, SD Unique Number : 10963320 Diagnosed : 06 Apr 2024 - Don Baldridge US 57445-6400 Test Package : IND 2 (Additional Tests: PrtCount) Contact: GAVIN KRUEGER Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. Gavin.Krueger@POET.COM T: 6(05)846-6863 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F: (605)397-2754

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Submitted By: GAVIN KRUEGER

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