



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
QUINCY TAIL WATER DEPRESSION 2 (S/N 73822)

Component
Air Compressor

Fluid
QUINCY QUINSYN F (19 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ST39289	ST35061	ST34602
Sample Date		Client Info		16 Jan 2024	24 Aug 2021	05 Sep 2018
Machine Age	hrs	Client Info		13203	11787	10449
Oil Age	hrs	Client Info		1706	0	600
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	2	5	4
Chromium	ppm	ASTM D5185m	>4	<1	0	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	2	4	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>40	0	<1	0
Tin	ppm	ASTM D5185m	>5	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

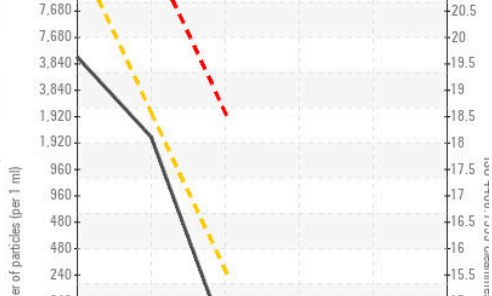
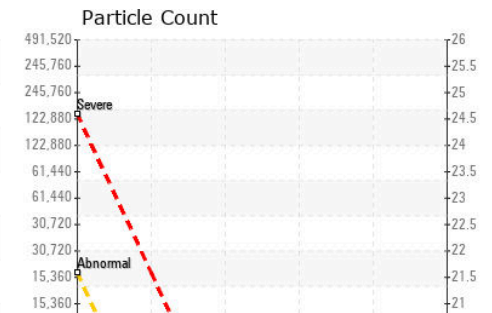
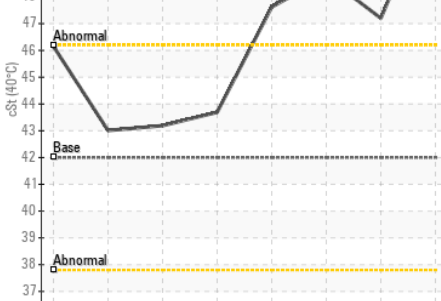
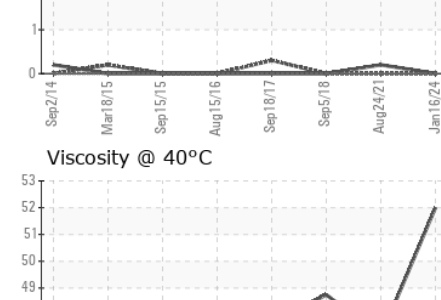
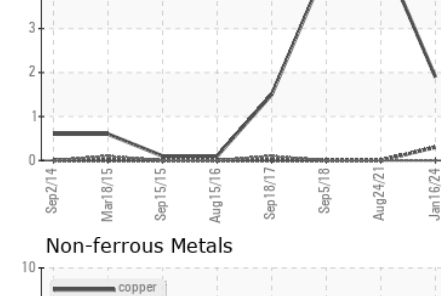
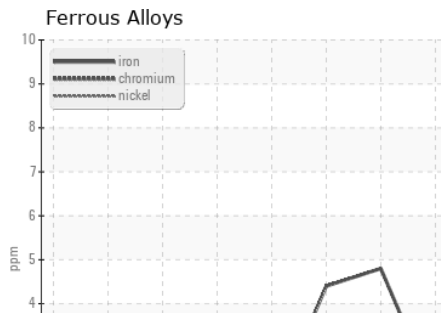
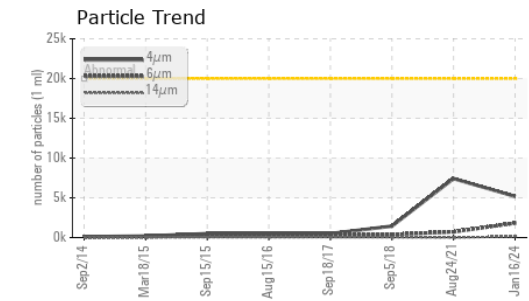
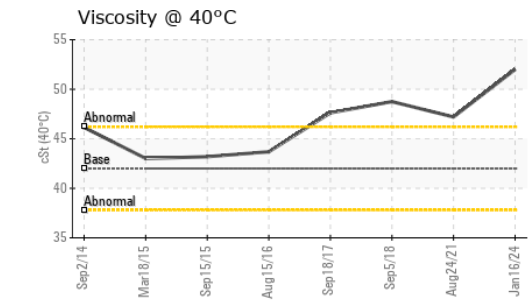
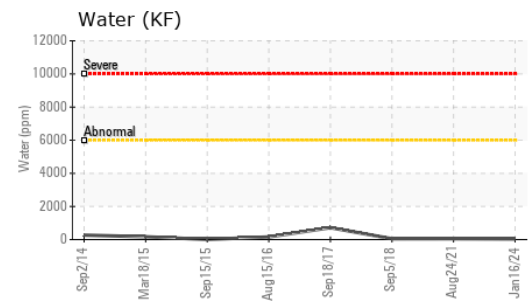
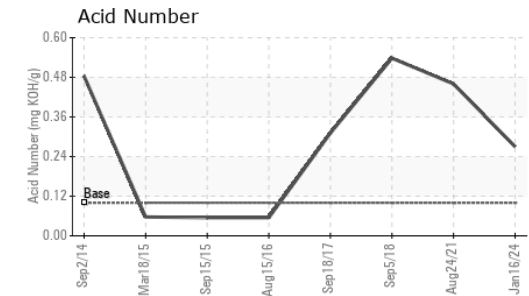
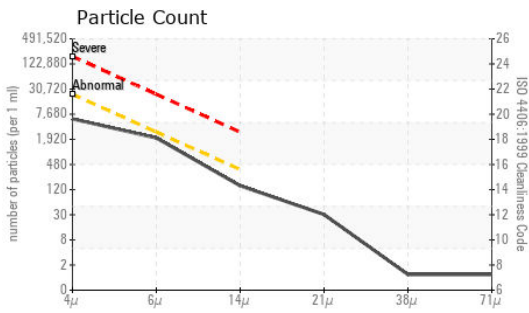
There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

Silicon	ppm	ASTM D5185m	>25	0	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.6	0.003	0.005	0.005
ppm Water	ppm	ASTM D6304	>6000	38	51.6	50
Particles >4µm		ASTM D7647	>20000	5180	7417	1440
Particles >6µm		ASTM D7647	>2500	1815	721	391
Particles >14µm		ASTM D7647	>320	131	6	40
Particles >21µm		ASTM D7647	>80	27	0	13
Particles >38µm		ASTM D7647	>20	1	0	2
Particles >71µm		ASTM D7647	>4	1	0	0
Oil Cleanliness		ISO 4406 (c)	>21/18/15	20/18/14	20/17/10	18/16/12
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	>0.6	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	<1
Boron	ppm	ASTM D5185m		0	1	0
Barium	ppm	ASTM D5185m		3	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		0	<1	4
Phosphorus	ppm	ASTM D5185m		505	455	246
Zinc	ppm	ASTM D5185m		0	0	13
Sulfur	ppm	ASTM D5185m		575	481	100
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	0.27	0.460	0.538
Visc @ 40°C	cSt	ASTM D445	42	52.0	47.2	48.75



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ST39289 **Received** : 17 Jan 2024
Lab Number : 06063566 **Diagnosed** : 19 Jan 2024
Unique Number : 10834948 **Diagnostician** : Don Baldridge
Test Package : IND 2 (Additional Tests: KF, PrtCount)

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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)