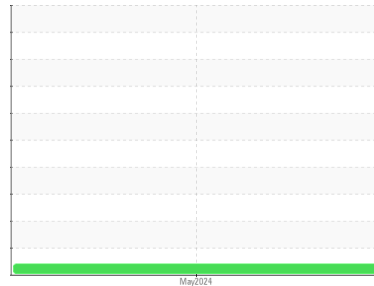




OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id

INGERSOLL RAND IR 1

Component

Air Compressor

Fluid

COMPRESSOR OIL (PAG) ISO 46 (--- LTR)

DIAGNOSIS

● Recommendation

Resample at the next service interval to monitor.

● Wear

All component wear rates are normal.

● Contamination

The amount and size of particulates present in the system are acceptable.

● Fluid Condition

The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		USPM6182870	---	---
Sample Date	Client Info		16 May 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ATTENTION	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	---	---
Chromium	ppm	ASTM D5185m >4	0	---	---
Nickel	ppm	ASTM D5185m >4	0	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	<1	---	---
Aluminum	ppm	ASTM D5185m >10	0	---	---
Lead	ppm	ASTM D5185m >20	<1	---	---
Copper	ppm	ASTM D5185m >40	<1	---	---
Tin	ppm	ASTM D5185m >5	<1	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	0	---	---
Barium	ppm	ASTM D5185m 525	225	---	---
Molybdenum	ppm	ASTM D5185m 10	0	---	---
Manganese	ppm	ASTM D5185m	0	---	---
Magnesium	ppm	ASTM D5185m 5	0	---	---
Calcium	ppm	ASTM D5185m 10	0	---	---
Phosphorus	ppm	ASTM D5185m 250	0	---	---
Zinc	ppm	ASTM D5185m 100	0	---	---
Sulfur	ppm	ASTM D5185m 400	280	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	1	---	---
Sodium	ppm	ASTM D5185m	61	---	---
Potassium	ppm	ASTM D5185m >20	6	---	---
Water	%	ASTM D6304 >0.8	0.559	---	---
ppm Water	ppm	ASTM D6304 >8000	5593	---	---

FLUID CLEANLINESS

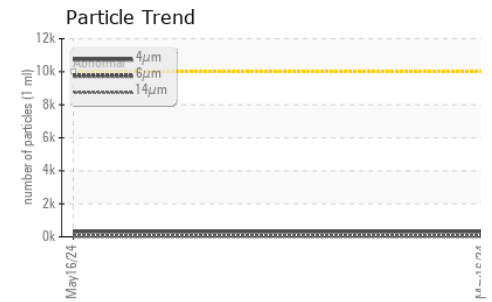
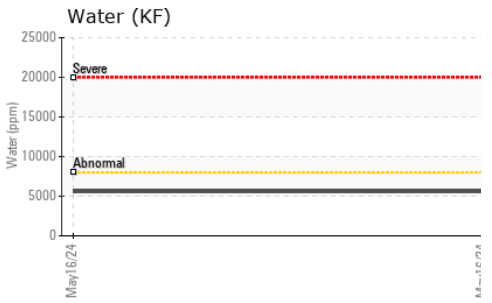
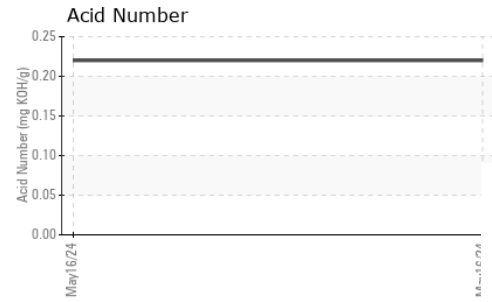
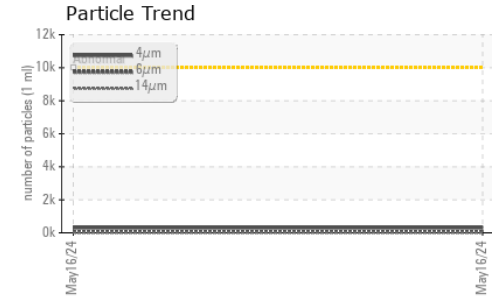
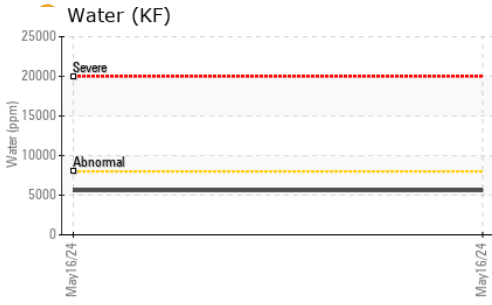
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	307	---	---
Particles >6µm	ASTM D7647	>2500	68	---	---
Particles >14µm	ASTM D7647	>320	8	---	---
Particles >21µm	ASTM D7647	>80	3	---	---
Particles >38µm	ASTM D7647	>20	0	---	---
Particles >71µm	ASTM D7647	>4	0	---	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	15/13/10	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.22	---	---



OIL ANALYSIS REPORT



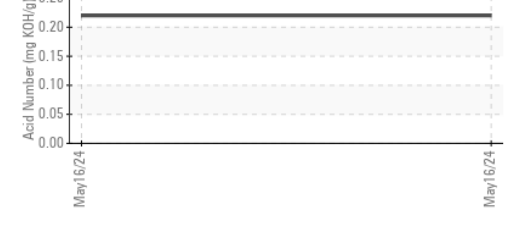
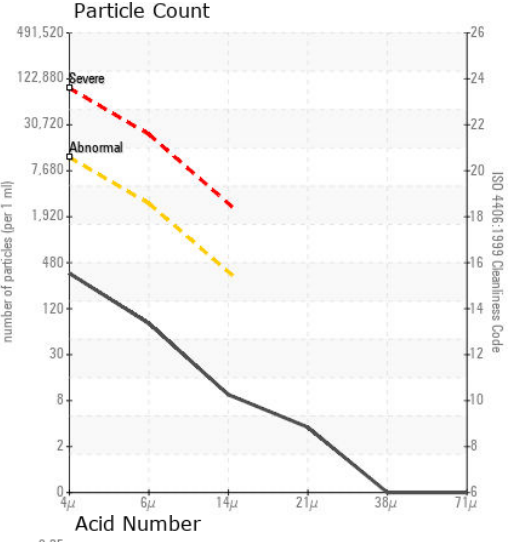
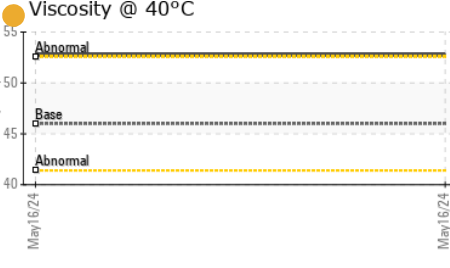
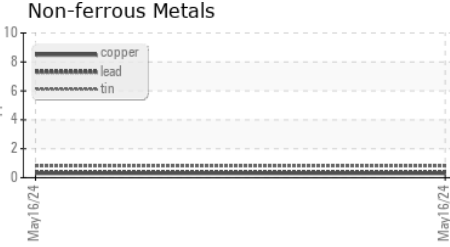
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.8	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	46	52.75	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USPM6182870 **Received** : 17 May 2024
Lab Number : 06182870 **Tested** : 29 May 2024
Unique Number : 11034196 **Diagnosed** : 29 May 2024 - Angela Borella
Test Package : IND 2

DCO-SIEMENS ENERGY
 CORINASO PT PSC 1005 BOX 68
 GUANTANAMO BAY, UT
 US 34009
 Contact: BARBARA DORSEY

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)

T:
F: