



OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area

S-46 [293173]

Machine Id

PNEUTECH AK100018088 - TWIN CITIES CLOSET CO

Component

Compressor

DIAGNOSIS

● Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

● Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition

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		UFD0002322	---	---
Sample Date	Client Info		17 Jun 2024	---	---
Machine Age	hrs	Client Info	1844	---	---
Oil Age	hrs	Client Info	1844	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ATTENTION	---	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	---
Chromium	ppm	ASTM D5185m	>10	0	---
Nickel	ppm	ASTM D5185m		0	---
Titanium	ppm	ASTM D5185m		0	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>25	0	---
Lead	ppm	ASTM D5185m	>25	0	---
Copper	ppm	ASTM D5185m	>50	<1	---
Tin	ppm	ASTM D5185m	>15	0	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	---
Barium	ppm	ASTM D5185m		12	---
Molybdenum	ppm	ASTM D5185m		0	---
Manganese	ppm	ASTM D5185m		0	---
Magnesium	ppm	ASTM D5185m		0	---
Calcium	ppm	ASTM D5185m		0	---
Phosphorus	ppm	ASTM D5185m		18	---
Zinc	ppm	ASTM D5185m		10	---
Sulfur	ppm	ASTM D5185m		320	---

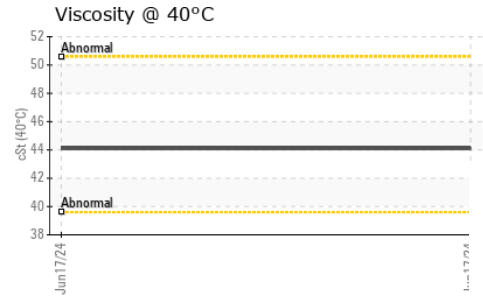
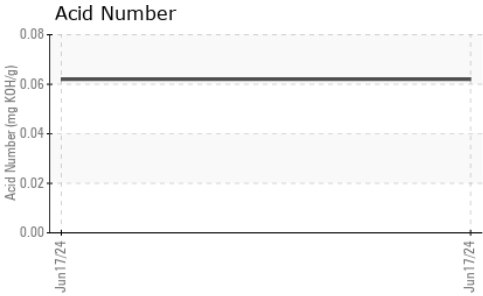
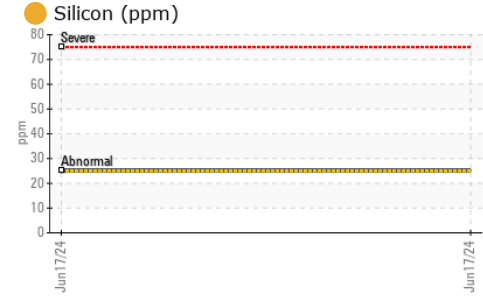
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	25	---
Sodium	ppm	ASTM D5185m		<1	---
Potassium	ppm	ASTM D5185m	>20	0	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.062	---

OIL ANALYSIS REPORT



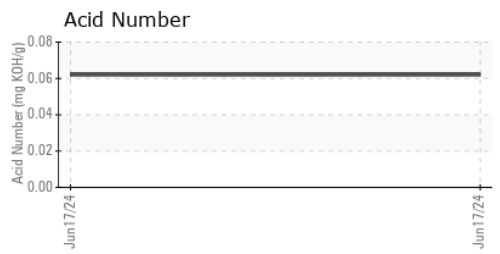
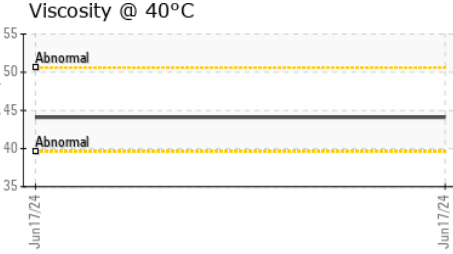
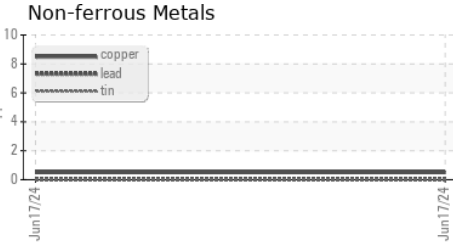
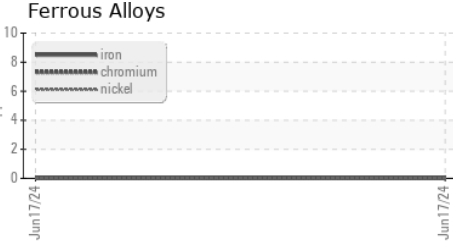
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.1	---	---

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. : UFD0002322 **Received** : 24 Jun 2024
Lab Number : 06218351 **Tested** : 25 Jun 2024
Unique Number : 11096548 **Diagnosed** : 26 Jun 2024 - Don Baldrige
Test Package : IND 2

FLUID-AIRE DYNAMICS - (MN)
 14250 JUDICIAL ROAD
 BURNSVILLE, MN
 US 55306
 Contact: Service Manager

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: