

## **OIL ANALYSIS REPORT**

#### Area PG-46 [278958] Machine Id PNEUTECH AK100020593 - LABELS & DECALS Component

Component Compressor

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) COMPRESSOR OIL (PAO) ISO 46. Please confirm.

#### Wear

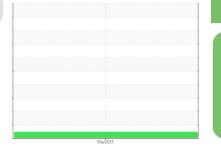
All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

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



Sample Rating Trend

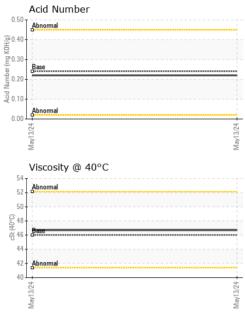


NORMAL

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UFD0000791		
Sample Date		Client Info		13 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	۷	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	0		
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	1	0		
Barium	ppm	ASTM D5185m	1	0		
Molybdenum	ppm	ASTM D5185m	1	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	1	0		
Calcium	ppm	ASTM D5185m	1	0		
Phosphorus	ppm	ASTM D5185m	800	591		
Zinc	ppm	ASTM D5185m	20	18		
Sulfur	ppm	ASTM D5185m	37	0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	9		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.24	0.22		



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Laboratory Sample No. Lab Number Unique Number Test Package	. : UFD0000791 er : 06197765	ived : 03 ed : 04	r, NC 27513 3 Jun 2024 4 Jun 2024 4 Jun 2024 - W	es Davis	FLUID-AIRE DYNAMICS 225 SPRING LAKE DF ITASCA, IL US 60143 Contact: ED DIENEF		
	Non-ferrous Met			May13/24 Acid Number (mg K0H(g) 020 020 020 020 020 020 020 020 020	Acid Number		Mari 2024
	Bottom GRAPHS Ferrous Alloys					no image	no image
+ 4/3/2/4	_					no image	no image
	Visc @ 40°C SAMPLE IMAGE	cSt ES	ASTM D445 method	46 limit/base	46.7 current	 history1	 history2
	FLUID PROPER	RTIES	method	limit/base	current	history1	history2
	Free Water	scalar	*Visual	20.1	NEG		
Mai	Odor Emulsified Water	scalar scalar	*Visual *Visual	NORML	NORML NEG		
May13/24 -		scalar	*Visual	NORML	NORML		
	_ Sand/Dirt	scalar	*Visual	NONE	NONE		
	Silt Debris	scalar scalar	*Visual *Visual	NONE NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	White Metal	scalar	*Visual	NONE	NONE		

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Contact/Location: ED DIENER - UCFLUSCH