

# **OIL ANALYSIS REPORT**

Area PG46 [289902] **PNEUTECH AK100017301 - PROGRESSIVE COATING** 

Component Compressor

## Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

# Wear

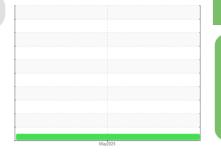
All component wear rates are normal.

## 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



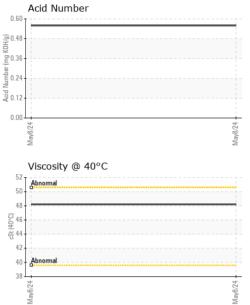
NORMAL

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UFD0000559		
Sample Date		Client Info		08 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	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	<1		
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		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		351		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		997		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.56		



# **OIL ANALYSIS REPORT**

VISUAL



	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			
May8/24	Appearance	scalar	*Visual	NORML	NORML			
Ň	Odor	scalar	*Visual	NORML	NORML			
	Emulsified Water	scalar	*Visual	>0.1	NEG			
	Free Water	scalar	*Visual		NEG			
	FLUID PROPERT	TIES	method	limit/base	current	history1	history2	
	Visc @ 40°C	cSt	ASTM D445		48.2			
	SAMPLE IMAGES	S	method	limit/base	current	history1	history2	
Mar6/24 +	Color					no image	no image	
	Bottom					no image	no image	
	Non-ferrous Metal	5		(g) May024	Acid Numb	per		
	50			May8/24	16 16 14 12 10 16 16 16 16 16 16 16 16 16 16 16 16 16		2	
	: 11059896 Diagnosed : 04 Jun 2024 - Wes Davis					Contact: ED DIENE ed.diener@fluidairedynamics.co T: (847)678-838		

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Contact/Location: ED DIENER - UCFLUSCH