

## **OIL ANALYSIS REPORT**

Area **S46** [277491] Machine Id **INGERSOLL RAND UP5144U07024 - S HIMMELSTEIN CO** Component

Component

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

### Wear

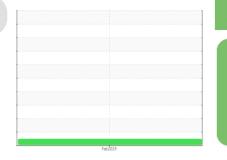
All component wear rates are normal.

#### 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

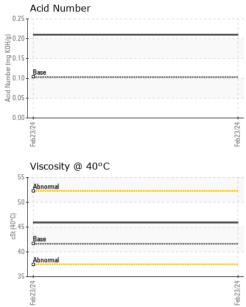


NORMAL

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UFD0000950		
Sample Date		Client Info		23 Feb 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	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	<1		
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	0.9	0		
Barium	ppm	ASTM D5185m	0.1	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m	0.2	0		
Magnesium	ppm	ASTM D5185m	0.9	0		
Calcium	ppm	ASTM D5185m	0	0		
Phosphorus	ppm	ASTM D5185m	224	127		
Zinc	ppm	ASTM D5185m	0	2		
Sulfur	ppm	ASTM D5185m	273	280		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.103	0.21		



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	VISUAL		method	limit/base	e 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			
Feb23/24	Appearance	scalar	*Visual	NORML	NORML			
Ê.	Odor	scalar	*Visual	NORML	NORML			
	Emulsified Water	scalar	*Visual	>0.1	NEG			
	Free Water	scalar	*Visual		NEG			
	FLUID PROPERT	IES	method	limit/base		history1	history2	
	Visc @ 40°C	cSt	ASTM D445	41.61	45.9			
	SAMPLE IMAGES	\$	method	limit/base	e current	history1	history2	
Feb 23/24	Color				a	no image	no image	
	Bottom					no image	no image	
	GRAPHS Ferrous Alloys			324				
	Non-ferrous Metal	5		24 Feb23/24				
	Feb23/24			Feb23/24				
	Viscosity @ 40°C				Acid Number			
	55 Abnormal			KOH/g)	.25			
	50- ç			Q R	.20			
	(C) (C) (C) (C) (C) (C) (C) (C) (C) (C)			<u>د</u>	Base			
	40 - Abnormal			Acid Number (mg K	.05			
	35							
	Feb23/24			Feb23/24	Feb 23/24			
Laboratory Sample No. Lab Number Unique Number	: WearCheck USA - 50 : UFD0000950 : 06157045	Rece Teste	ived : 22 ed : 23		1	FLUID-AIRE DYNAMIC 550 ALBION AV SCHAUMBURG, US 6019		
2367 Test Package Iss this sample report,								

Contact/Location: ED DIENER - UCFLUSCH