

OIL ANALYSIS REPORT

Machine Id **INGERSOLL RAND SEAGUY AC-4 (S/N**

Air Compressor Fluic

USPI AIR 46 (--- GAL)

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

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Confirmed. The AN level is acceptable for this fluid.

S/N F17271U9	6333)					
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		Mar2006 Ma	rŽ017 OctŽ017 JunŽ0	18 Nov2019 Aug2021 Nov20	22 Jun2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37578	USPM26929	USPM24420
Sample Date		Client Info		02 Jun 2024	19 Oct 2023	30 Nov 2022
Machine Age	hrs	Client Info		905	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>4	<1	0	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>40	0	<1	<1
Tin	ppm	ASTM D5185m	>5	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m				0
	1.1.6			0	0	0
ADDITIVES	le le	method	limit/base	current	history1	history2
Boron	ppm	method ASTM D5185m	0	current 0	history1 0	history2 0
Boron Barium	ppm ppm	method ASTM D5185m ASTM D5185m	0	current 0 0	history1 0 0	history2 0 0
Boron Barium Molybdenum	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	0	Current 0 0 0	history1 0 0 0	history2 0 0 0
Boron Barium Molybdenum Manganese	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0	Current 0 0 0 0	history1 0 0 0 0	history2 0 0 0 0 0
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0 0	Current 0 0 0 0 1	history1 0 0 0 0 0 0	history2 0 0 0 0 <1
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0 0 0	Current 0 0 0 0 1 0	history1 0 0 0 0 0 0 0 0	history2 0 0 0 0 0 <1 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0 0 0 1	Current 0 0 0 0 0 1 0 0 598	history1 0 0 0 0 0 0 0 0 0	history2 0 0 0 0 0 <1 0 16
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0 0 0 1 0	Current 0 0 0 0 0 1 0 598 0	history1 0 0 0 0 0 0 0 0 0 0 0 0	history2 0 0 0 0 0 <1 0 16 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0 0 0 1 0 0 0	Current 0 0 0 0 1 0 598 0 162	history1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	history2 0 0 0 0 0 <1 0 16 0 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0 0 0 1 0 0 0 0 0 0	Current 0 0 0 0 1 0 598 0 162 Current	history1 0	history2 0 0 0 0 0 16 0 0 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0 0 0 1 0 0 0	Current 0 0 0 0 1 0 598 0 162 Current 1	history1 0 4	history2 0 0 0 0 0 16 0 0 16 0 5
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Current 0 0 0 0 1 0 598 0 162 Current 1 0	history1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 history1 4 0	history2 0 0 0 0 0 -1 0 16 0 16 0 15 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m	0 0 0 0 0 1 0 0 1 0 0 0 limit/base >25	Current 0 0 0 0 1 0 598 0 162 Current 1 0 0 0 0	history1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 history1 4 0 2	history2 0 0 0 0 0 16 0 16 0 16 0 16 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Current 0 0 0 0 1 0 598 0 162 Current 1 0	history1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 history1 4 0	history2 0 0 0 0 0 -1 0 16 0 16 0 15 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D6304 ASTM D6304	0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0	Current 0 0 0 0 1 0 598 0 162 Current 1 0 0 0 0 0 0 0 0 0 0 0 0 0	history1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 history1 4 0 2 0.061 618.3	history2 0 0 0 0 0 - 0 - 0 16 0 0 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.036 361.5
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m	0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Current 0 0 0 0 1 0 598 0 162 Current 1 0 0 0 0.00 0 0 Current	history1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 4 0 2 0.061 618.3 history1	history2 0 0 0 0 0 0 10 0 16 0 0 16 0 history2 5 0 0 0 0.036
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D6304 ASTM D6304	0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	Current 0 0 0 0 1 0 598 0 162 Current 1 0 0 0 0 0 0 0 0 0 0 0 0 0	history1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 history1 4 0 2 0.061 618.3	history2 0 0 0 0 0 16 0 16 0 history2 5 0 0 0 16 0 0 0 15 0 0 0 0.036 361.5 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185mASTM D6304ASTM D6304ASTM D6304ASTM D7647	0 0 0 0 1 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0	Current 0 0 0 0 1 0 598 0 162 Current 1 0 0 0 0.00 0 Current 845	history1 0 2 0.061 618.3 history1 14877	history2 0 0 0 0 0 01 0 0 0 16 0 16 0 15 0 5 0 0.036 361.5 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >6µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185mASTM D6304ASTM D6304ASTM D6304ASTM D7647ASTM D7647	0 0 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 0	Current 0 0 0 0 1 0 598 0 162 Current 1 0 0 0 0.00 0 Current 845 318	history1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 14877 4594	history2 0 0 0 0 01 0 0 0 16 0 16 0 16 0.036 361.5 history2 ▲ 23703 ▲ 8740
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water Potassium Water ppm Water FLUID CLEANLIN Particles >6μm Particles >14μm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D6304 ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647	0 0 0 1 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0	Current 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0	history1 0 14877 14877 4594 325	history2 0 0 0 0 01 0 0 0 16 0 16 0 0 16 0.036 361.5 history2 23703 23703 392
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	methodASTM D5185mASTM D6304ASTM D6304ASTM D6304ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647ASTM D7647	0 0 0 0 1 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0	Current 0 0 0 0 1 0 598 0 162 current 1 0 0 0 0 0 0 0 0 0 0 0 0 0	history1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 14877 4594 325 82	history2 0 0 0 0 - 0 - 0 - 0 - 0 16 0.036 361.5 history2 ▲ 23703 ▲ 8740 ▲ 892 ▲ 238
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >14µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D5647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	0 0 0 0 1 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0	Current 0 0 0 0 0 1 0 598 0 162 Current 1 0 0 0 0 0 0 0 0 0 0 0 0 0	history1 0 14877 14877 325 82 3	history2 0 0 0 0 0 0 10 0 11 0 16 0 0 16 0.036 361.5 history2 1 10 10 11
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >4µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	0 0 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Current 0 0 0 0 1 0 598 0 162 Current 1 0 0 0 0.00 0 0 Current 845 318 52 18 2 0 17/15/13	history1 0 2 0.061 618.3 history1 14877 4594 325 82 3 0	history2 0 0 0 0 0 0 0 0 16 0 16 0 16 0.036 361.5 history2 23703 892 238 11 1

Sample Rating Trend

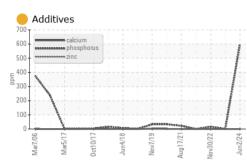
ADDITIVES

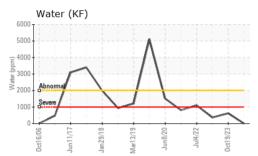
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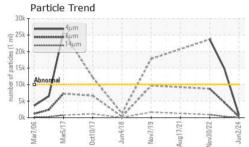
Contact/Location: SERGIO CARLOS - SEAGUY Page 1 of 2

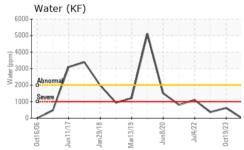


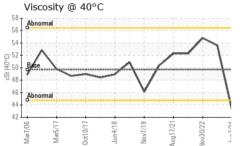
OIL ANALYSIS REPORT







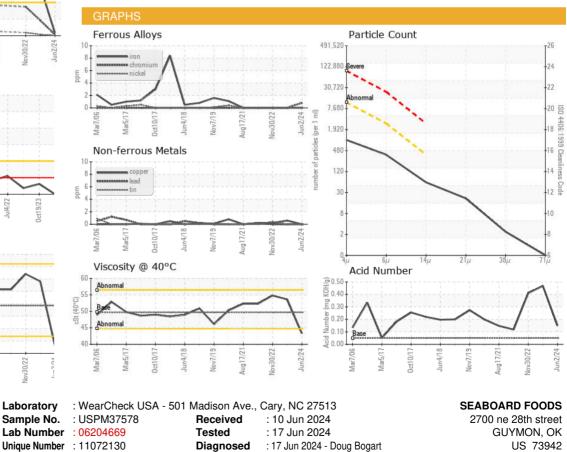


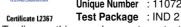


VISUAL		method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	NEG	
FLUID PROPERT	IES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	49.7	43.3	53.6	54.8	
SAMPLE IMAGES	S	method	limit/base	current	history1	history2	
Color							



Bottom





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: (580)338-9613 F:

Contact: SERGIO CARLOS

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