

# **OIL ANALYSIS REPORT**

#### Area ULTRA FG Machine Id INGERSOLL RAND CBV558475 - WEAVER POPCORN Component

Compressor

#### 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.

	I	
Jan2024	Mar2024	

Sample Rating Trend

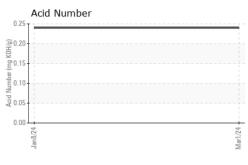


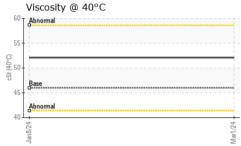
IORMAL

SAMPLE INFORM	<b>MATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH0000478	UCH06061319	
Sample Date		Client Info		01 Mar 2024	08 Jan 2024	
Machine Age	hrs	Client Info		21926	0	
Oil Age	hrs	Client Info		8332	0	
Oil Changed		Client Info		Not Changd	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	<1	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	0	2	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>50	<1	<1	
Tin	ppm	ASTM D5185m	>15	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		15	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		48	60	
Phosphorus	ppm	ASTM D5185m		329	432	
Zinc	ppm	ASTM D5185m		<1	0	
Sulfur	ppm	ASTM D5185m		641	674	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	
Sodium	ppm	ASTM D5185m		25	23	
Potassium	ppm	ASTM D5185m	>20	0	4	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.24	0.24	



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White Metal	scalar	*) // 1				
	000.00	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.0	52.1	52.1	
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						no image
Bottom						no image
GRAPHS						
Jan 8/24			Mar1/24			
E 6 4 2 0	IIS		Mari 24			
			2	Acid Number		
60 Abnormal			€0.25			
55-						
t ( <del>1</del>			ຍິ 0.15	•		
경 45			đ 0.10	1		
Abnormal			Pipe 0.05	1		
			0.00			
		ived : 28 d : 29	v, NC 27513	JOH	4700 LEBOUR	
	Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPER Visc @ 40°C SAMPLE IMAGE Color Bottom GRAPHS Ferrous Alloys Color Non-ferrous Meta Color	Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Free Water scalar Free Water scalar Free Water scalar Free Water scalar Color Color Bottom GRAPHS Ferrous Alloys 10 0 0 0 0 0 0 0 0 0 0 0 0 0	Silt scalar *Visual Debris scalar *Visual Appearance scalar *Visual Odor scalar *Visual Emulsified Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual Free Water scalar *Visual FLUID PROPERTIES method Visc @ 40°C cSt ASTM D445 SAMPLE IMAGES method Color Bottom GRAPHS Ferrous Alloys Totom incide Mon-ferrous Metals Od for the scalar scalar *Visual Color Color Uscosity @ 40°C Color Scalar *Visual Color Color SAMPLE IMAGES method Color Colo	Silt scalar Visual NONE Debris scalar Visual NONE Sand/Dirt scalar Visual NONE Appearance scalar Visual NORML Odor scalar Visual NORML Emulsified Water scalar Visual NORML Emulsified Water scalar Visual OT Free Water Scalar Visual OT Color Color OT Bottom OT OT OT OT OT OT OT OT OT OT	Silt scalar Visual NONE NONE Debris scalar Visual NONE NONE Sand/Dirt scalar Visual NONE NONE Appearance scalar Visual NORML NORML MORML NORML MORML NORML NORML NORML NORML NORML NEG Free Water scalar Visual NORML NORML NEG Color St ASTM D445 46.0 52.1 SAMPLE IMAGES method imit/base current Color GRAPHS Ferrous Alloys Viscosity @ 40°C Viscosity @ 40°	Silt scalar 'Visual NONE NONE NONE NONE Band/Dirt scalar 'Visual NONE NONE NONE Appearance scalar 'Visual NORML NORML NORML Odor scalar 'Visual NORML NORML NORML NORML Emulsified Water scalar 'Visual NORML NORML NORML NORML Emulsified Water scalar 'Visual NORML NORML NORML NORML The scalar 'Visual NORML NORML NORML NORML Scalar 'Visual NORML NORML NORML NORML Visc @ 40°C cSt ASTM D45 46.0 52.1 52.1 SAMPLE MAGES method imit/base current history Color GRAPHS Ferrous Alloys Viscosity @ 40°C Scalar 'Viscosity @ 40°C Scalar 'S Scalar 'S

To discuss this sample repor \* - 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)

Certificate L2367

Submitted By: RACHEL VON HATTEN

F: (314)874-0965