

OIL ANALYSIS REPORT

NORMAL

SSR ULTRA COOLANT [SVO-058671 OIL-44233] INGERSOLL RAND CBV290007 - ELLIOT TOOL

Component

Compressor

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

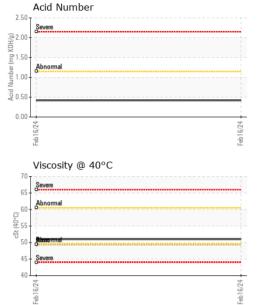
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 <1 Chromium ppm ASTM D5185m <1 Nickel ppm ASTM D5185m <1 Silver ppm ASTM D5185m <1 Aluminum ppm ASTM D5185m >25 <1 Lead ppm ASTM D5185m >25 <1 Lead ppm ASTM D5185m >50 1 Copper ppm ASTM D5185m >50 1 Tin ppm ASTM D5185m <1 Vanadium ppm ASTM D5185m <1 Cadmium ppm	SAMPLE INFORK	MATION	method	IIIIII/Dase	Current	HISTORY	HISTOLYZ
Machine Age hrs Client Info 11167 Oil Age hrs Client Info 570 Oil Changed Client Info Not Changd Sample Status NORMAL CONTAMINATION 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 <1 Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >1 Silver ppm ASTM D5185m >25 <1 Aluminum ppm ASTM D5185m >25 <1 Copper ppm AST	Sample Number		Client Info		UCH06097839		
Oil Age hrs Client Info 570 Oil Changed Client Info Not Changd Sample Status NORMAL CONTAMINATION method limit/base current history1 history2 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 <1 Chromium ppm ASTM D5185m >50 <1 Nickel ppm ASTM D5185m >10 <1 Silver ppm ASTM D5185m <1 Itanium ppm ASTM D5185m >25 <1 Aluminum ppm ASTM D5185m >26 <1 Lead ppm ASTM D5185m >50 1 Copper	Sample Date		Client Info		16 Feb 2024		
Oil Changed Sample Status Client Info Not Changd NORMAL	Machine Age	hrs	Client Info		11167		
Sample Status	Oil Age	hrs	Client Info		570		
CONTAMINATION 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 <1	Oil Changed		Client Info		Not Changd		
Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 <1	Sample Status				NORMAL		
Iron	CONTAMINATION	V	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.1	NEG		
Chromium ppm ASTM D5185m >10 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>50	<1		
Titanium	Chromium	ppm	ASTM D5185m	>10	<1		
Silver ppm ASTM D5185m <1	Nickel	ppm	ASTM D5185m		<1		
Aluminum ppm ASTM D5185m >25 <1	Titanium	ppm	ASTM D5185m		<1		
Lead ppm ASTM D5185m >25 <1 Copper ppm ASTM D5185m >50 1 Tin ppm ASTM D5185m >15 1 Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m <1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 500 578 Molybdenum ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m <1 Calcium ppm ASTM D5185m 0 10 Phosphorus ppm ASTM D5185m 20 0	Silver	ppm	ASTM D5185m		<1		
Copper ppm ASTM D5185m >50 1 Tin ppm ASTM D5185m >15 1 Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 578 Molybdenum ppm ASTM D5185m 0 <1 Manganese ppm ASTM D5185m 0 <1 Magnesium ppm ASTM D5185m 0 10 Phosphorus ppm ASTM D5185m 20 0 <	Aluminum	ppm	ASTM D5185m	>25	<1		
Tin ppm ASTM D5185m >15 1 Vanadium ppm ASTM D5185m <1	Lead	ppm	ASTM D5185m	>25	<1		
Vanadium ppm ASTM D5185m <1	Copper	ppm	ASTM D5185m	>50	1		
Cadmium ppm ASTM D5185m <1	Tin	ppm	ASTM D5185m	>15	1		
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 500 578 Molybdenum ppm ASTM D5185m 0 <1 Manganese ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 10 Calcium ppm ASTM D5185m 20 0 Phosphorus ppm ASTM D5185m 20 0 Zinc ppm ASTM D5185m 20 265 Sulfur ppm ASTM D5185m >25 2 Sodium ppm ASTM D5185m >20 2 Potassium ppm ASTM D5185m >20	Vanadium	ppm	ASTM D5185m		<1		
Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 500 578 Molybdenum ppm ASTM D5185m 0 <1 Manganese ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 10 Calcium ppm ASTM D5185m 20 0 Phosphorus ppm ASTM D5185m 20 0 Zinc ppm ASTM D5185m 20 265 Sulfur ppm ASTM D5185m >25 2 Sodium ppm ASTM D5185m >25 2 Potassium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base c	Cadmium	ppm	ASTM D5185m		<1		
Barium ppm ASTM D5185m 500 578 Molybdenum ppm ASTM D5185m 0 -1 Manganese ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m 0 10 Phosphorus ppm ASTM D5185m 20 0 Zinc ppm ASTM D5185m 0 14 Sulfur ppm ASTM D5185m 200 265 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 2 Sodium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base <t< th=""><th>ADDITIVES</th><th></th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 <1	Boron	ppm	ASTM D5185m	0	0		
Manganese ppm ASTM D5185m <1	Barium	ppm	ASTM D5185m	500	578		
Magnesium ppm ASTM D5185m 0 0 Calcium ppm ASTM D5185m 0 10 Phosphorus ppm ASTM D5185m 20 0 Zinc ppm ASTM D5185m 0 14 Sulfur ppm ASTM D5185m 200 265 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 2 Sodium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base current history1 history2	Molybdenum	ppm	ASTM D5185m	0	<1		
Calcium ppm ASTM D5185m 0 10 Phosphorus ppm ASTM D5185m 20 0 Zinc ppm ASTM D5185m 0 14 Sulfur ppm ASTM D5185m 200 265 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 2 Sodium ppm ASTM D5185m 21 Potassium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base current history1 history2	Manganese	ppm	ASTM D5185m		<1		
Phosphorus ppm ASTM D5185m 20 0 Zinc ppm ASTM D5185m 0 14 Sulfur ppm ASTM D5185m 200 265 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 2 Sodium ppm ASTM D5185m 21 Potassium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base current history1 history2	Magnesium	ppm	ASTM D5185m	0	0		
Zinc ppm ASTM D5185m 0 14 Sulfur ppm ASTM D5185m 200 265 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 2 Sodium ppm ASTM D5185m 21 Potassium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base current history1 history2	Calcium	ppm	ASTM D5185m	0	10		
Sulfur ppm ASTM D5185m 200 265 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 2 Sodium ppm ASTM D5185m 21 Potassium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base current history1 history2	Phosphorus	ppm	ASTM D5185m	20	0		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 2 Sodium ppm ASTM D5185m 21 Potassium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base current history1 history2	Zinc	ppm	ASTM D5185m	0	14		
Silicon ppm ASTM D5185m >25 2 Sodium ppm ASTM D5185m 21 Potassium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base current history1 history2	Sulfur	ppm	ASTM D5185m	200	265		
Sodium ppm ASTM D5185m 21 Potassium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base current history1 history2	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 FLUID DEGRADATION method limit/base current history1 history2	Silicon	ppm	ASTM D5185m	>25	2		
FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185m		21		
	Potassium	ppm	ASTM D5185m	>20	2		
Acid Number (AN) mg KOH/g ASTM D8045 0.418	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.418		



OIL ANALYSIS REPORT



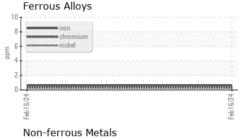
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	IFS	method	limit/base	current	history1	history2

Visc @ 40°C	cSt	ASTM D445	49.4	51.0	

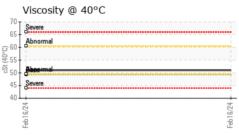
0, ==	 			,
Color		a	no image	no image
Bottom			no image	no image
CDADUC				

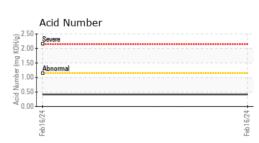
GRAPHS

SAMPLE IMAGES









Contact/Location: RACHEL VON HATTEN - UCJOHSAI





Certificate L2367

Laboratory Sample No. Unique Number: 10896069

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06097839

: UCH06097839

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested**

: 22 Feb 2024 : 23 Feb 2024

: 25 Feb 2024 - Don Baldridge Diagnosed

JOHN HENRY FOSTER COMPANY

4700 LEBOURGET STREET SAINT LOUIS, MO

US 63134

Contact: RACHEL VON HATTEN

rvonhatten@jhf.com T: (314)593-1267 F: (314)874-0965

* - 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)