

OIL ANALYSIS REPORT

Area **ULTRA COOLANT INGERSOLL RAND MOX1003018 - REYNOLDS**

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.



SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06135076	UCH06076998	
Sample Date		Client Info		21 Mar 2024	19 Jan 2024	
Machine Age	hrs	Client Info		26654	25176	
Oil Age	hrs	Client Info		2080	4000	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATIC	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	0	
Chromium	ppm	ASTM D5185m	>10	<1	0	
Nickel	ppm	ASTM D5185m		<1	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	0	<1	
Lead	ppm	ASTM D5185m	>25	0	<1	
Copper	ppm	ASTM D5185m	>50	0	0	
Tin	ppm	ASTM D5185m	>15	<1	<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	556	1020	978	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		1	2	
Calcium	ppm	ASTM D5185m	242	4	9	
Phosphorus	ppm	ASTM D5185m	0	2	3	
Zinc	ppm	ASTM D5185m	0	3	8	
Sulfur	ppm	ASTM D5185m	306	409	338	
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	
Sodium	ppm	ASTM D5185m		39	34	
Potassium	ppm	ASTM D5185m	>20	8	5	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

FLUID DEGRADA	ATION	method				history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.612	0.487	

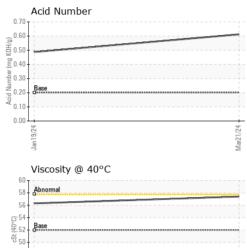
Report Id: UCCISSAC [WUSCAR] 06135076 (Generated: 04/03/2024 17:58:41) Rev: 1

Sample Rating Trend



48 Abnormal 46 44 Jan 19/24

OIL ANALYSIS REPORT



White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar scalar scalar Scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual ASTM D445	NONE NONE NONE NONE NONE NORML NORML >0.1 imit/base	NONE NONE NONE NONE NONE NORML NORML NEG NEG	NONE NONE NONE NONE NONE NORML NORML NEG NEG history1	 history2
Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar scalar scalar Scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NONE NONE NORML NORML >0.1	NONE NONE NONE NORML NORML NEG NEG	NONE NONE NONE NORML NORML NEG NEG	
Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar scalar scalar Scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NONE NORML NORML >0.1	NONE NONE NORML NORML NEG NEG	NONE NONE NORML NORML NEG NEG	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar ES	*Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NONE NORML NORML >0.1	NONE NORML NORML NEG NEG	NONE NORML NORML NEG NEG	
Debris Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar ES	*Visual *Visual *Visual *Visual *Visual method ASTM D445	NONE NORML NORML >0.1 limit/base	NONE NORML NORML NEG NEG	NONE NORML NORML NEG NEG	
Sand/Dirt Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar scalar scalar ES cSt	*Visual *Visual *Visual *Visual tribud ASTM D445	NONE NORML NORML >0.1	NONE NORML NORML NEG NEG current	NONE NORML NORML NEG NEG	
Appearance Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar scalar Scalar ES	*Visual *Visual *Visual *Visual method ASTM D445	NORML NORML >0.1	NORML NORML NEG NEG current	NORML NORML NEG NEG	
Odor Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	scalar scalar scalar ES cSt	*Visual *Visual *Visual method ASTM D445	NORML >0.1 limit/base	NORML NEG NEG current	NORML NEG NEG	
Emulsified Water Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	scalar scalar ES cSt	*Visual *Visual method ASTM D445	>0.1 limit/base	NEG NEG current	NEG NEG	
Free Water FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	scalar IES cSt	*Visual method ASTM D445	limit/base	NEG current	NEG	
FLUID PROPERT Visc @ 40°C SAMPLE IMAGES	IES cSt	method ASTM D445		current		
Visc @ 40°C SAMPLE IMAGES	cSt	ASTM D445			history i	TIISLUI VZ
SAMPLE IMAGES			01	57.4	56.3	
			limit/base			history?
Color		method	iimi/base	current	history1	history2
						no image
Bottom						no image
GRAPHS Ferrous Alloys						
0 5 5			Mar21/24			
Non-ferrous Metals	;					
6 4						
2						
Jan 19/24			Mar21/24			
Viscosity @ 40°C				Acid Number		
Abnormal			(B) 10.80	1		
55			및 0.60 문			
Base			<u>ل</u> ے 0.40			
			J 0.20	Base		
45			Acid Acid			
				9/24		
Jan 1			Mar2	Jan1		
UCH06135076 06135076	Receiv Testeo	ved : 01 d : 02	Apr 2024 2 Apr 2024	- 1		AIR SYSTEM 214 27TH S AMENTO, C
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Contact/Location: BARRY FRKOVICH - UCCISSAC Page 2 of 2