

OIL ANALYSIS REPORT

INGERSOLL RAND IRN150H-OF (S/N TN0435) Component

Air Compressor

Recommendation

Resample at the next service interval to monitor.

Wear

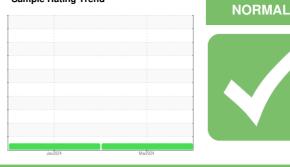
All component wear rates are normal.

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

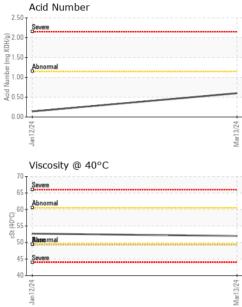


SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH0000430	UCH0000518	
Sample Date		Client Info		13 Mar 2024	12 Jan 2024	
Machine Age	hrs	Client Info		75909	104038	
Oil Age	hrs	Client Info		78913	5066	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.6	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>4	0	0	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>40	2	<1	
Tin	ppm	ASTM D5185m	>5	0	<1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	500	628	886	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	0	<1	0	
Calcium	ppm	ASTM D5185m	0	1	0	
Phosphorus	ppm	ASTM D5185m	20	<1	<1	
Zinc	ppm	ASTM D5185m	0	19	0	
Sulfur	ppm	ASTM D5185m	200	378	292	
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	
Sodium	ppm	ASTM D5185m		25	3	
Potassium	ppm	ASTM D5185m	>20	3	<1	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.60	0.14	

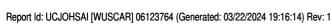


OIL ANALYSIS REPORT

VISUAL



	White Metal	a a a l a r					
			*Visual	NONE	NONE	NONE	
	Yellow Metal		*Visual	NONE	NONE	NONE	
	Precipitate		*Visual	NONE	NONE	NONE	
	Silt		*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Mar13/24	Appearance	scalar	*Visual	NORML	NORML	NORML	
Mar	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.6	NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C			49.4	52.0	52.7	
	SAMPLE IMAG	ES	method	limit/base	current	history1	history2
Mar13/24	Color						no image
	Bottom						no image
	GRAPHS						
	Ferrous Alloys						
	¹⁰ T						
	8 - iron chromium						
	o minimum ninkal						
	2						
	٥						
	lan 12/24			Mar13/24			
	Jan 1			Mar1			
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	Non-ferrous Me						
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	10 8 8 1 10 10 10 10 10 10 10 10 10 10 10 10						
	10 8 8						
	10 8 8 1 10 10 10 10 10 10 10 10 10 10 10 10						
	E 4 2 0						
	E 4 2 0			Mar13/24			
	E 4 2			Mar13/24	Acid Number		
	Viscosity @ 40°				Acid Number		
	Viscosity @ 40°						
	Viscosity @ 40°						
	Viscosity @ 40°						
	Viscosity @ 40°						
	Viscosity @ 40°			्रि.2.50 Hog 2.00 हि 1.50 में 1.00 R 0.50			
	Viscosity @ 40°			(2.50 H) 2.00 L 1.50 m 1.00 V 0.50 V 0.00	Abnormal		
	Viscosity @ 40° Severe Abnomal Severe			्रि.2.50 Hog 2.00 हि 1.50 में 1.00 R 0.50			
	Viscosity @ 40° Severe Abnomal Severe Abnomal Severe Abnomal Severe	C		(0,12,50 0,100 0,100 0,100 0,100 0,100 0,100 0,100 0,000000	Apnormal Abnormal		
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ample No. ab Number nique Number est Package mple report,	Copper lead Copper lead Viscosity @ 40° Viscosity @ 40° Copper Viscosity @ 40° Copper Copper Viscosity @ 40° Copper	501 Madison Receiv Tested Diagno	red : 20 : 21 osed : 221	NC 27513 Mar 2024 Mar 2024 - Don	Abnormal 1000 10	4700 LEBOUR SAIN ontact: RACHEL rvonha	GET STREE IT LOUIS, M US 631



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Submitted By: RACHEL VON HATTEN

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