

OIL ANALYSIS REPORT

Machine Id

INGERSOLL RAND C3 - Alltrista plastics (S/N CK2102U99146)

Screw Compressor

Fluid INGERSOLL-RAND SSR ULTRA COOLANT (7 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

🔺 Wear

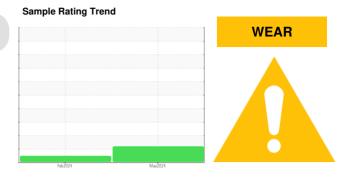
The lead level is abnormal. All other component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

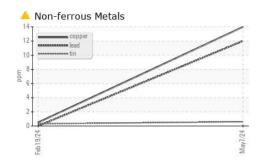
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

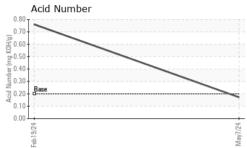


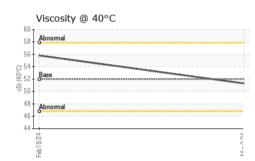
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0915307	WC0887863	
Sample Date		Client Info		07 May 2024	19 Feb 2024	
Machine Age	hrs	Client Info		30875	32153	
Oil Age	hrs	Client Info		5	32153	
Oil Changed		Client Info		Not Changd	N/A	
Sample Status				ABNORMAL	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	>60	<1	<1	
Chromium	ppm	ASTM D5185m	>4	0	<1	
Nickel	ppm	ASTM D5185m		0	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm	ASTM D5185m	>5	0	1	
Lead	ppm	ASTM D5185m	>10	<u> </u>	0	
Copper	ppm	ASTM D5185m	>30	14	<1	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	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	938	426	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		0	2	
Calcium	ppm	ASTM D5185m	242	0	3	
Phosphorus	ppm	ASTM D5185m	0	0	<1	
Zinc	ppm	ASTM D5185m	0	0	<1	
Sulfur	ppm	ASTM D5185m	306	244	490	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	1	1	
Sodium	ppm	ASTM D5185m		6	44	
Potassium	ppm	ASTM D5185m	>20	2	6	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.172	0.76	



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	VISUAL		method	limit/base	current	history1	history2
,	White Metal	scalar	*Visual	NONE	NONE	NONE	
`	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Precipitate	scalar	*Visual	NONE	NONE	NONE	
:	Silt	scalar	*Visual	NONE	NONE	NONE	
I	Debris	scalar	*Visual	NONE	🔺 MODER	NONE	
:	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
(Odor	scalar	*Visual	NORML	NORML	NORML	
I	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
	Free Water	scalar	*Visual		NEG	NEG	
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
,	Visc @ 40°C	cSt	ASTM D445	52	51.3	55.8	
	SAMPLE IMAGES		method	limit/base	current	history1	history2
			method	innibase	Current		motoryz
(Color						no image
	Bottom						no image
- 1	GRAPHS						
	Ferrous Alloys						
10	Terrous Anoys						
10)T						
8	iron						
8)T						
e dd 4	iron						
8 E 6 4 2	iron 6- 5- 2-						
8 Edd 4	iron iron chromium iron ir			/24			
8 6 4 2 0	iron chromium nickel			May7/24			
8 6 4 2 0	kon-ferrous Metals			May7/24			
8 6 4 2 0	kon-ferrous Metals	5		May7/24			
8 5 4 2 0 15	Non-ferrous Metals			May7/24			
8 6 4 2 0 15 10 8	Non-ferrous Metals			May7/24			
8 5 4 2 0 15	Non-ferrous Metals			May7/24			
8 6 4 2 0 15 10 8	Non-ferrous Metals						
8 6 4 2 0 15 10 8	Non-ferrous Metals						
8 6 4 2 0 15 10 8	Non-ferrous Metals			May7/24			
8 6 4 2 0 15 10 8	Non-ferrous Metals				Acid Number		
8 6 4 2 0 15 10 8	Non-ferrous Metals			May7/24	Acid Number	r	
8 8 8 8 9 10 10 10 10 10 10 10 10 10 10	Non-ferrous Metals			May7/24		r	
8 8 8 8 9 10 10 10 10 10 10 10 10 10 10	Non-ferrous Metals			May7/24			
8 8 8 8 9 10 10 10 10 10 10 10 10 10 10	Non-ferrous Metals			May7/24			
8 4 2 0 15 10 0 0 0 0 0 0 0 0 0 0 0 0 0	Non-ferrous Metals			May7/24			
8 8 8 8 9 10 10 10 10 10 10 10 10 10 10	Non-ferrous Metals			Acid Number (mg K0H/g) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	80 60 40 20 Base 00		
8 6 4 4 2 0 0 15 10 10 60 60 (2,0)+ 85 50	Non-ferrous Metals			Acid Number (mg K0H/g) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	80 60 40 20 Base 00	r	
8 6 4 4 2 0 0 15 10 10 60 60 (2,0)+ 85 50	Non-ferrous Metals			May7/24		r	
8 8 4 4 2 0 0 15 10 10 10 10 10 10 10 10 10 10	Non-ferrous Metals			May7/24 May7/24 May7/24	80 60 40 20 Base 60 40 40 40 40 40 40 40 40 40 40 40 40 40		
8 8 4 ud 4 2 0 15 10 15 10 10 15 10 10 15 10 10 15 10 10 15 15 10 10 15 15 15 10 15 15 15 15 15 15 15 15 15 15	Non-ferrous Metals	Madiso		(0,HO) Bull samma (0,HO) Bull	80 60 40 20 Base 60 40 40 40 40 40 40 40 40 40 40 40 40 40	TED INDUSTRIAL S	
8 8 4 ud 4 2 0 15 15 10 15 10 15 15 10 10 15 15 10 10 15 15 15 15 15 15 15 15 15 15	Non-ferrous Metals	Madiso	ived : 17	(0, HOX 0) (0, HO	80 60 40 20 Base 60 40 40 40 40 40 40 40 40 40 40 40 40 40	TED INDUSTRIAL S 302	2 HUGHES S
8 8 6 4 4 2 0 0 15 15 10 15 10 15 10 15 10 15 10 15 15 10 15 15 15 15 15 15 15 15 15 15	Non-ferrous Metals	Madiso	ived : 17 d : 20	(BHO) BU +72/L/eW (BHO) BU -90 -12/L/eW -12/L/eW -12/L/eW -12/L/eW -12/L/eW -12/L/eW	Base Base Base ELEVA	TED INDUSTRIAL S 302	2 HUGHES S NTAIN INN, S
8 8 6 4 4 2 0 0 15 15 10 15 10 15 10 15 10 15 10 15 15 10 15 15 15 15 15 15 15 15 15 15	Non-ferrous Metals	Madiso	ived : 17 d : 20	(0, HOX 0) (0, HO	Base Base Base ELEVA	TED INDUSTRIAL S 302 FOUN	OLUTIONS - E 2 HUGHES S 1TAIN INN, S US 2964 ARRIN WAR

To discuss this sample report, co. * - 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) F: (864)862-7653

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Certificate L2367

Submitted By: DARRIN WARD

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