

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

13549

Component Compressor

Fluid **INGERSOLL-RAND TECHTROL GOLD TL (85 GAL)**

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. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service. Color 1.5.

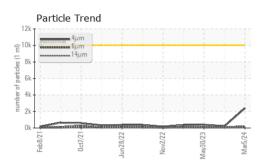
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		CCSI2014529	CCSI2014577	CCSI2014606	
Sample Date		Client Info		05 Mar 2024	06 Sep 2023	30 May 2023	
Machine Age	hrs	Client Info		18439	14101	11742	
Oil Age	hrs	Client Info		14443	10135	7746	
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATION	٧	method	limit/base	current	history1	history2	
Water		WC Method	>0.1	NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	0	0	0	
Chromium	ppm	ASTM D5185m	>10	0	0	0	
Nickel	ppm	ASTM D5185m		0	<1	<1	
Titanium	ppm	ASTM D5185m		0	0	0	
Silver	ppm	ASTM D5185m		0	<1	0	
Aluminum	ppm	ASTM D5185m	>25	0	0	0	
Lead	ppm	ASTM D5185m	>25	0	0	<1	
Copper	ppm	ASTM D5185m	>50	<1	0	0	
Tin	ppm	ASTM D5185m	>15	<1	<1	<1	
Vanadium	ppm	ASTM D5185m		0	<1	0	
Cadmium	ppm	ASTM D5185m		0	<1	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		0	<1	0	
Barium	ppm	ASTM D5185m		0	0	0	
Molybdenum	ppm	ASTM D5185m		0	0	0	
Manganese	ppm	ASTM D5185m		<1	<1	<1	
Magnesium	ppm	ASTM D5185m		1	5	3	
Calcium	ppm	ASTM D5185m		16	4	5	
Phosphorus	ppm	ASTM D5185m		127	123	133	
Zinc	ppm	ASTM D5185m		4	16	9	
Sulfur	ppm	ASTM D5185m		11	14	8	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<1	0	<1	
Sodium	ppm	ASTM D5185m		3	0	0	
Potassium	ppm	ASTM D5185m	>20	2	1	<1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>10000	2398	223	405	
Particles >6µm		ASTM D7647	>2500	207	69	117	
Particles >14µm		ASTM D7647	>320	23	10	9	
Particles >21µm		ASTM D7647	>80	7	2	2	
Particles >38µm		ASTM D7647	>20	1	0	0	
Particles >71µm		ASTM D7647	>4	0	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	18/15/12	15/13/10	16/14/10	
FLUID DEGRADA		method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.25	0.76	0.81	0.97	
7:14:03) Rev: 1				Contact/Location: STEVE SKEEN - CLELEW			

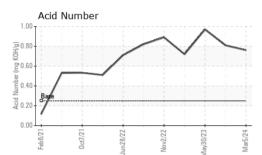
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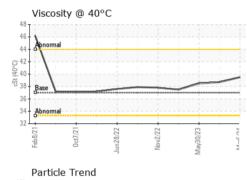
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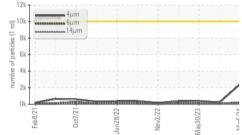


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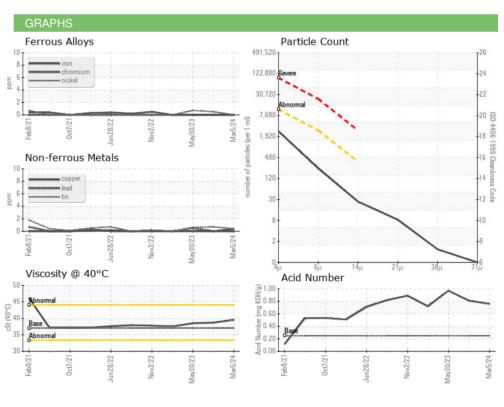






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	37	39.5	38.7	38.5
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				•		

Bottom



CLEARWATER PAPER CORP Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : CCSI2014529 Received : 18 Apr 2024 805 MILL RD Lab Number : 06153094 Tested : 19 Apr 2024 LEWISTON, ID Unique Number : 10983172 Diagnosed : 22 Apr 2024 - Angela Borella US 83501 Test Package : IND 2 (Additional Tests: PrtCount) Contact: STEVE SKEEN Certificate 12367 stephen.skeen@clearwaterpaper.com To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (208)791-1933 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

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