

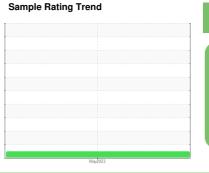
OIL ANALYSIS REPORT

TECHTROL GOLD

Machine Id INGERSOLL RAND UNIT 13 POWER HOUSE - TVA (S/N R2200883)

Component

Compressor





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Moor

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.

				May2023		
OAMBLE INCOM	44 TION					
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH05927363		
Sample Date		Client Info		25 May 2023		
Machine Age	hrs	Client Info		83356		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	<1		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>50	0		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVEO	1-1-		12 24 //		111	111
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		420		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		2		
Calcium	ppm	ASTM D5185m		3		
Phosphorus	ppm	ASTM D5185m		5		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		313		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	15		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.10	0.086		
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		



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: UCH05927363 : 05927363 Unique Number : 10607310 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Aug 2023

Diagnosed : 21 Aug 2023 Diagnostician : Jonathan Hester

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: UCPFMCHA [WUSCAR] 05927363 (Generated: 08/21/2023 15:44:03) Rev: 1

PFME - COMPESSED AIR AND GAS SYSTEMS SPECIALISTS

1615 CROSS BEAM DR

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