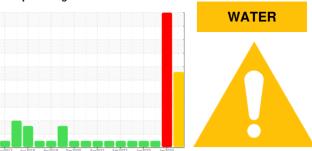


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

WWTP IR (S/N CBV403858)

Air Compressor

INGERSOLL-RAND SSR ULTRA COOLANT (--- GAL)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.

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

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. There is a moderate concentration of water present in the oil.

Fluid Condition

The AN level is above the recommended limit. Additive levels indicate the addition of a different brand or type of oil. Confirmed.

(GAL)		Apr2017 Juni	018 Apr2019 Sep2020	Apr2021 Feb2022 Jan2023	Jan2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36114	USPM30718	USPM29850
Sample Date		Client Info		08 May 2024	22 Jan 2024	03 Oct 2023
Machine Age	hrs	Client Info		11155	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	16	2
Chromium	ppm	ASTM D5185m	>4	<1	<1	0
Nickel	ppm	ASTM D5185m	>4	<1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	3	2	0
Lead	ppm	ASTM D5185m	>20	3	<u> 11</u>	<1
Copper	ppm	ASTM D5185m	>40	<u>45</u>	▲ 368	4
Tin	ppm	ASTM D5185m	>5	<1	1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	14	0
Barium	ppm	ASTM D5185m	500	9 1	37	508
Molybdenum	ppm	ASTM D5185m	0	0	1	0
Manganese	ppm	ASTM D5185m		<1	2	<1
Magnesium	ppm	ASTM D5185m	0	3	2	0
Calcium	ppm	ASTM D5185m	0	<u> </u>	2 6	5
Phosphorus	ppm	ASTM D5185m	20	50	4	2
Zinc	ppm	ASTM D5185m	0	323	423	55
Sulfur	ppm	ASTM D5185m	200	200	0	392
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	1	2
Sodium	ppm	ASTM D5185m		6	22	9
Potassium	ppm	ASTM D5185m		3	5	7
Water	%	ASTM D6304	>0.6	△ 0.903	0.087	0.181
ppm Water	ppm	ASTM D6304	>6000	<u> </u>	876	1818.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	18930	13923	1382
Particles >6µm		ASTM D7647	>2500	657	2133	360
Particles >14μm		ASTM D7647	>320	28	48	17
Particles >21µm		ASTM D7647	>80	6	8	6
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	<u>21/17/12</u>	21/18/13	18/16/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.46	▲ 3.34	0.31



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number : 06175501 Unique Number : 11021554

: USPM36114

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 May 2024 **Tested** : 16 May 2024

: 16 May 2024 - Doug Bogart Diagnosed

Test Package : IND 2 Certificate 12367 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)

Contact/Location: ? ? - SMIGRAKY

GRAYSON, KY

US 41143

Contact:

T:

F:

800 C W STEVENS BLVD