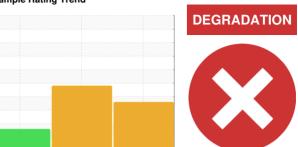


PROBLEM SUMMARY

Sample Rating Trend



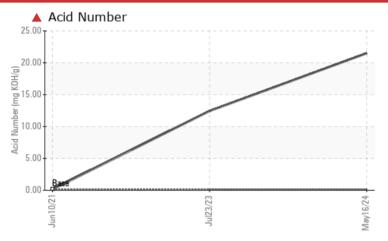
Machine Id

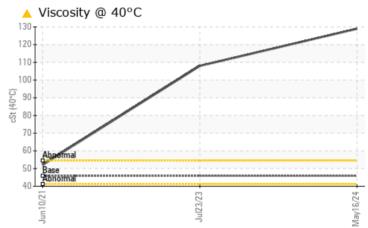
INGERSOLL RAND 3 (100HP) (S/N MOX1002606)

Air Compressor

USPI MAX FG AIR 46 (--- GAL)







RECOMMENDATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

PROBLEMATIC T	EST RE	SULTS				
Sample Status				SEVERE	SEVERE	ABNORMAL
Acid Number (AN)	mg KOH/g	ASTM D8045	0.16	21.51	1 2.44	0.132
Visc @ 40°C	cSt	ASTM D445	45.8	129	<u> 108</u>	52.1

Customer Id: TYSNORTX Sample No.: USPM36169 Lab Number: 06182868 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 ihester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Fluid			?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.		
Flush System			?	Recommend drain oil if not already done and flush with cleaner before refilling with oil.		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS

23 Jul 2023 Diag: Doug Bogart

DEGRADATION



Recommend drain oil if not already done and flush with cleaner before refilling with oil. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. There is a high amount of visible silt present in the sample. Moderate concentration of visible dirt/debris present in the oil. The AN level is above the recommended limit. The oil viscosity is higher than normal. Confirmed.



WATER



10 Jun 2021 Diag: Doug Bogart

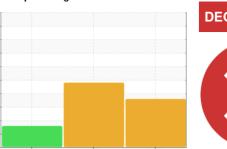
We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION

Machine Id

INGERSOLL RAND 3 (100HP) (S/N MOX1002606)

Air Compressor

USPI MAX FG AIR 46 (--- GAL)

	G١		

Recommendation

Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition.

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.

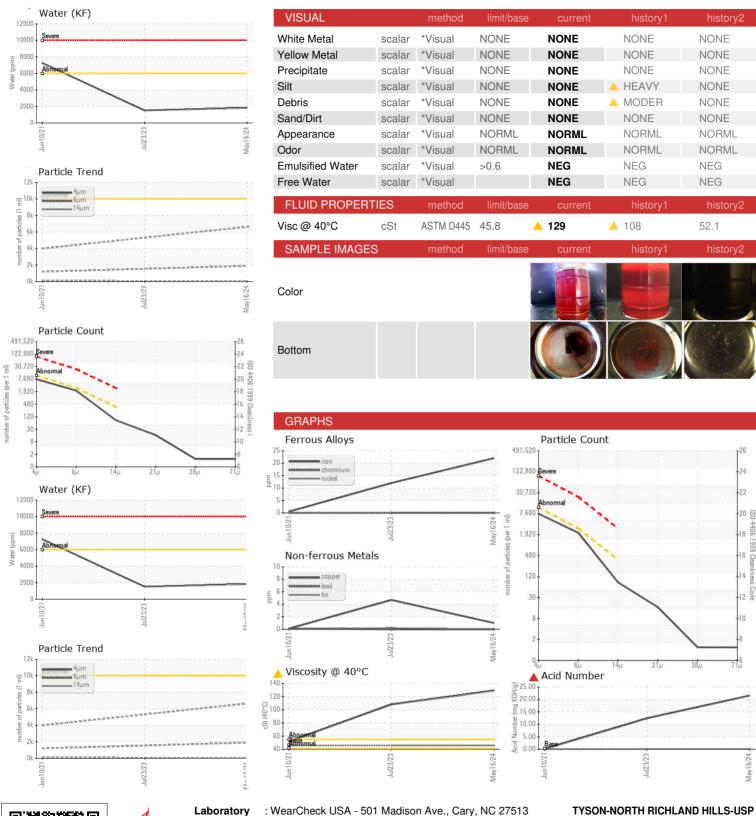
Fluid Condition

The AN level is well above the recommended limit. The oil viscosity is higher than normal.

		Ju	Jul2023		124	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36169	USPM27432	USP224229
Sample Date		Client Info		16 May 2024	23 Jul 2023	10 Jun 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1113	Client Info		N/A	N/A	N/A
Sample Status		Ollerit IIIIO		SEVERE	SEVERE	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	22	12	<1
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>40	1	5	<1
Tin	ppm	ASTM D5185m	>5	0	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	0	5
Barium	ppm	ASTM D5185m	0	0	0	706
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	0	0	1	<1
Calcium	ppm	ASTM D5185m	0	0	0	3
Phosphorus	ppm	ASTM D5185m	0	0	20	19
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	0	0	41
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		2	5	26
Potassium	ppm	ASTM D5185m	>20	<1	4	2
Water	%	ASTM D6304	>0.6	0.183	0.152	△ 0.726
ppm Water	ppm	ASTM D6304	>6000	1839	1520.1	▲ 7268.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	6629		3993
Particles >6µm		ASTM D7647	>2500	1892		1197
Particles >14μm		ASTM D7647	>320	72		126
Particles >21μm		ASTM D7647	>80	14		34
Particles >38μm		ASTM D7647	>20	1		0
Particles >71µm		ASTM D7647	>4	1		0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/13		19/17/14
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: USPM36169 : 06182868 Unique Number : 11034194 Test Package : IND 2

Received : 17 May 2024 Tested : 21 May 2024

Diagnosed

: 21 May 2024 - Jonathan Hester

6350 BLOWN CT NORTH RICHLAND HILLS, TX US 76180

Contact: JOHN MORGAN

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

Report Id: TYSNORTX [WUSCAR] 06182868 (Generated: 05/21/2024 16:28:11) Rev: 1

F:

T: (817)514-3519