

OIL ANALYSIS REPORT

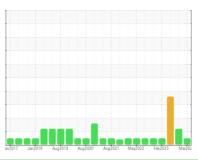
Sample Rating Trend



INGERSOLL RAND AIR 2 I/R (S/N NFF0271U05131)

Air Compressor

USPI AIR 46 (--- GAL)





Recommendation

Resample at the next service interval to monitor.

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.

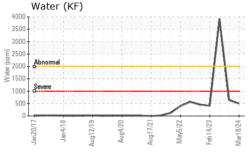
Fluid Condition

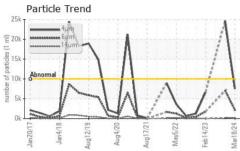
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

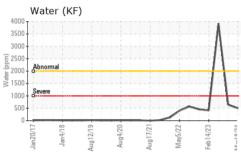
		an 2017 Jan	2018 Aug2019 Aug202	0 Aug2021 May2022 Feb20	023 Mar202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM30465	USPM28033	USPM24110
Sample Date		Client Info		18 Mar 2024	14 May 2023	20 Apr 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	9
Chromium	ppm	ASTM D5185m	>4	0	0	0
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	2	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>40	0	0	<1
Tin	ppm	ASTM D5185m	>5	<1	1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	0	0	<1
Calcium	ppm	ASTM D5185m	0	0	0	<1
Phosphorus	ppm	ASTM D5185m	1	4	5	6
Zinc	ppm	ASTM D5185m	0	0	0	6
Sulfur	ppm	ASTM D5185m	0	0	0	9
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	△ 36
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.2	0.049	0.063	△ 0.391
ppm Water	ppm	ASTM D6304	>2000	499	638.6	▲ 3910
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	7502	<u>24645</u>	
Particles >6µm		ASTM D7647	>2500	2140	▲ 7046	
Particles >14µm		ASTM D7647	>320	116	214	
Particles >21µm		ASTM D7647	>80	28	36	
Particles >38µm		ASTM D7647	>20	1	1	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/18/14	22/20/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.25	0.16	0.19

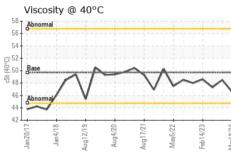


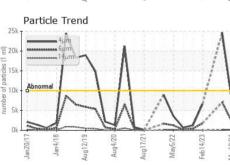
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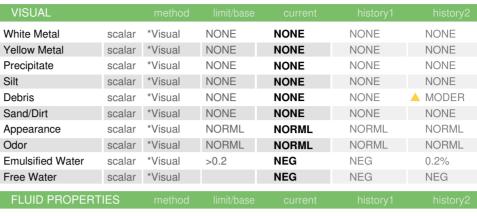












Visc @ 40°C cSt ASTM D445 49.7 46.62 48.5 47.3

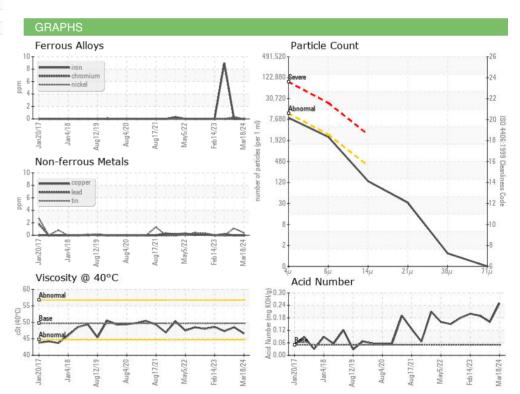
SAMPLE IMAGES

Color











Certificate L2367

Laboratory Sample No. Lab Number

: 06122394 Unique Number: 10936545 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM30465 Received : 19 Mar 2024 **Tested**

Diagnosed

: 21 Mar 2024 : 21 Mar 2024 - Doug Bogart

JBS-OTTUMWA 600 SOUTH IOWA AVENUE OTTUMWA, IA

> US 52501 Contact: LISA PIERCE lisa pierce@cargill.com

T: (641)683-4741 F: (641)683-4731

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)