

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id ELGI AIR 4 ELGI (S/N MRKL060395)

Component Air Compressor Fluid

USPI AIR 46 (--- QTS)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

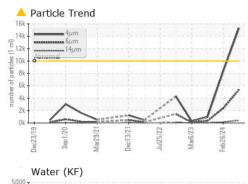
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

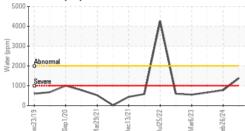
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37033	USPM30155	USPM29998
Sample Date		Client Info		14 Jul 2024	26 Feb 2024	12 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>4	0	<1	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>40	0	0	0
Tin	ppm	ASTM D5185m	>5	0	0	<1
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	0	<1
Magnesium	ppm	ASTM D5185m	0	0	<1	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	1	1	2	<1
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	0	0	11
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	1	<1
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water	%	ASTM D6304	>0.2	0.138	0.077	0.065
ppm Water	ppm	ASTM D6304	>2000	1386	779	658.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<mark> </mark> 15322	8329	950
Particles >6µm		ASTM D7647	>2500	<u> </u>	2368	334
Particles >14µm		ASTM D7647	>320	<mark> </mark> 416	137	31
Particles >21µm		ASTM D7647	>80	74	28	8
Particles >38µm		ASTM D7647	>20	6	4	0
Particles >71µm		ASTM D7647	>4	1	2	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 21/20/16	20/18/14	17/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.15	0.074	0.081

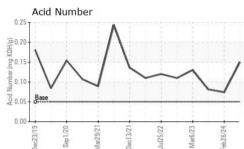
Contact/Location: ED ALBERT - IBPWAT01

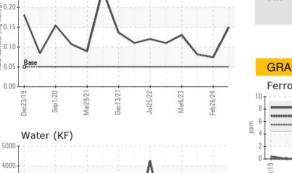


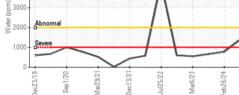
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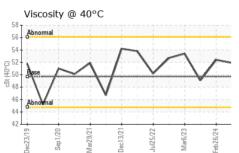


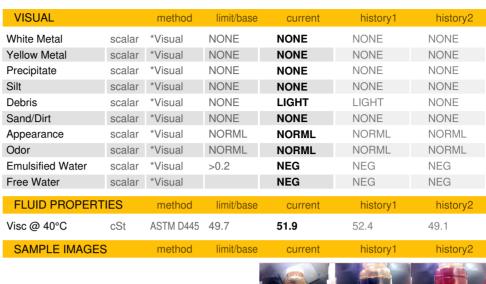








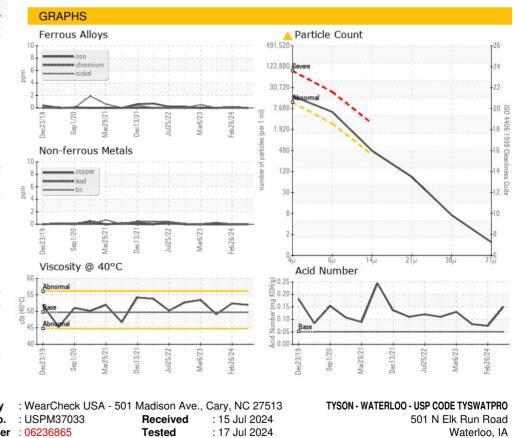




Color



Bottom



: 17 Jul 2024 - Doug Bogart





Unique Number : 11125699 Test Package : IND 2

- 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)

Diagnosed

T: (319)236-9328 F: (319)236-9393

Contact: ED ALBERT

Contact/Location: ED ALBERT - IBPWAT01

US 50703