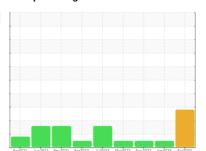


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id

SOUTH MASSAGER 2

Pump

USPI VAC 100 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All 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 light concentration of water present in the oil.

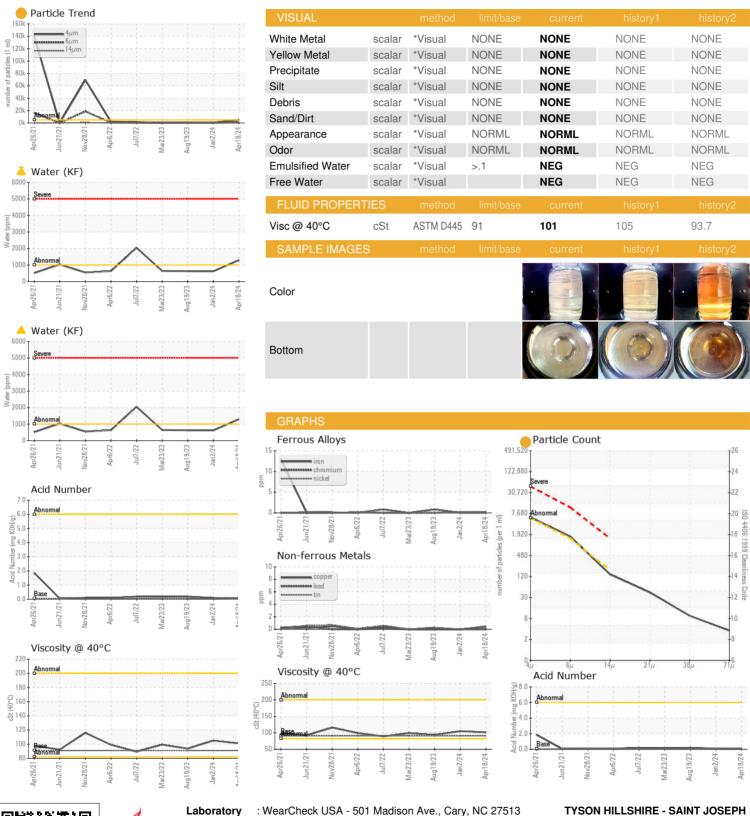
Fluid Condition

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

		701.021	n2021 Nov2021 Apr2022		- Postor	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36765	USPM31730	USPM29187
Sample Date		Client Info		18 Apr 2024	02 Jan 2024	19 Aug 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				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	0	<1
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>7	1	0	0
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m		<1	0	0
Tin	ppm	ASTM D5185m	>9	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES	PP	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
		ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	U	0	0	0
Manganese	ppm	ASTM D5185m	0	<1	0	1
Magnesium Calcium	ppm			4	2	22
	ppm	ASTM D5185m				
Phosphorus	ppm	ASTM D5185m	1800	801	703	982
Zinc	ppm	ASTM D5185m	0	0	0	18
Sulfur	ppm	ASTM D5185m	0	0	0	208
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	8	4	1
Sodium	ppm	ASTM D5185m		0	0	1
Potassium	ppm	ASTM D5185m		1	0	0
Water	%	ASTM D6304	>.1	<u> </u>	0.062	0.062
ppm Water	ppm	ASTM D6304	>1000	<u> </u>	622	626.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	5218	602	687
Particles >6µm		ASTM D7647		<u> </u>	249	197
Particles >14μm		ASTM D7647	>160	122	44	46
Particles >21µm		ASTM D7647	>40	37	13	18
Particles >38µm		ASTM D7647	>10	8	1	2
Particles >71µm		ASTM D7647	>3	3	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/14	16/15/13	17/15/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.046	0.092	0.19



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. : USPM36765 Lab Number : 06154393 Unique Number : 10989816

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Apr 2024 **Tested** : 22 Apr 2024

Diagnosed : 22 Apr 2024 - Doug Bogart

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)

Report Id: TYSSAI [WUSCAR] 06154393 (Generated: 04/23/2024 15:27:21) Rev: 1

Contact/Location: ? ? - TYSSAI

5807 MITCHELL AVE

SAINT JOSEPH, MO

US 64507

Contact:

T:

F: