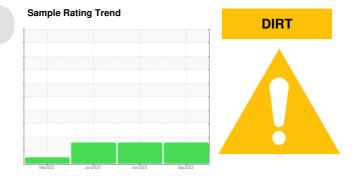
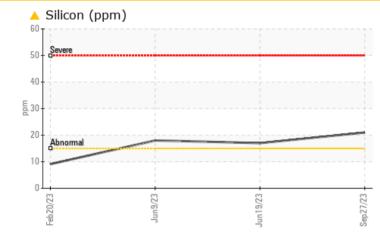
PROBLEM SUMMARY



Machine Id **7A** Component **Vacuum Pump** Fluid **USPI VAC 100 (--- GAL)**

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS						
Sample Status				MARGINAL	ABNORMAL	ABNORMAL
Silicon	ppm	ASTM D5185m	>15	<u> </u>	1 7	<u> </u>

Customer Id: CARFORCOL Sample No.: USPM29804 Lab Number: 05966388 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

19 Jun 2023 Diag: Doug Bogart



Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal. 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.

09 Jun 2023 Diag: Doug Bogart

20 Feb 2023 Diag: Doug Bogart



Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal. 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.



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Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination 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

SAMPLE INFORMATION method limit/base current



history1

history2

Machine Id **7A** Component **Vacuum Pump** Filuid **USPI VAC 100 (--- GAL)**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable.

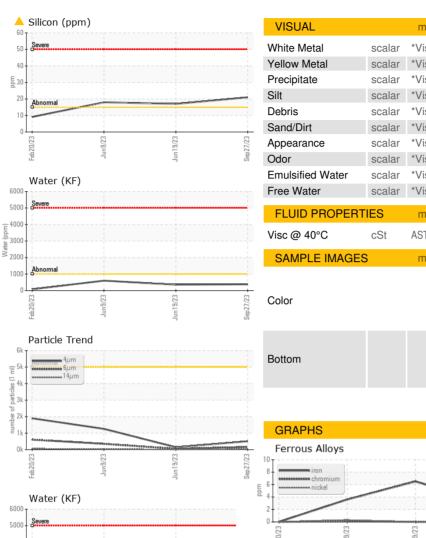
Fluid Condition

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

SAMPLE INFURI		method	limit/base	current	nistory i	nistory2
Sample Number		Client Info		USPM29804	USPM28206	USP227741
Sample Date		Client Info		27 Sep 2023	19 Jun 2023	09 Jun 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				MARGINAL	ABNORMAL	ABNORMAL
÷		and the state	11		Internet and	la la tarra d
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	3	6	4
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>20	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	3
Lead	ppm	ASTM D5185m	>20	0	0	<1
Copper	ppm	ASTM D5185m	>20	0	0	0
Tin	ppm	ASTM D5185m	>20	<1	<1	<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
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	0	0	1
Calcium	ppm	ASTM D5185m	0	2	0	4
Phosphorus	ppm	ASTM D5185m	1800	569	534	632
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	0	10	2
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4 21	▲ 17	1 8
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
Water	%	ASTM D6304	>.1	0.038	0.035	0.059
ppm Water	ppm	ASTM D6304	>1000	380.2	355.1	598.8
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	508	143	1257
Particles >6µm		ASTM D7647	>1300	159	49	350
Particles >14µm		ASTM D7647	>160	22	8	30
Particles >21µm		ASTM D7647	>40	5	3	8
Particles >38µm		ASTM D7647	>10	1	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/12	14/13/10	17/16/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	ma KOH/a	ASTM D8045	0.05	0.27	0.07	0.06
	ing itoring	, 10 1 11 20040	5.00	0.27	0.07	0.00



OIL ANALYSIS REPORT



AL		method	limit/base	current	history1	history2
letal	scalar	*Visual	NONE	NONE	NONE	NONE
Metal	scalar	*Visual	NONE	NONE	NONE	NONE
ate	scalar	*Visual	NONE	NONE	NONE	NONE
	scalar	*Visual	NONE	NONE	NONE	NONE
	scalar	*Visual	NONE	NONE	NONE	NONE
irt	scalar	*Visual	NONE	NONE	NONE	NONE
ance	scalar	*Visual	NORML	NORML	NORML	NORML
	scalar	*Visual	NORML	NORML	NORML	NORML
ied Water	scalar	*Visual	>.1	NEG	NEG	NEG
ater	scalar	*Visual		NEG	NEG	NEG
PROPERT	IES	method	limit/base	current	history1	history2
40°C	cSt	ASTM D445	91	118	117	115
PLE IMAGES	6	method	limit/base	current	history1	history2
					Vacun 74 WC ID: 4150 CARFORD	

