

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# FAB-CV 2-PUMP 1 (S/N U140400202)

Component **Pump** 

**USPI VAC 100 (--- GAL)** 

### **DIAGNOSIS**

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

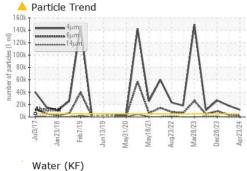
### Fluid Condition

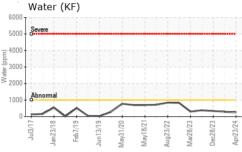
A decrease in the viscosity is noted. Confirmed. The AN level is acceptable for this fluid.

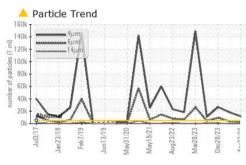
		lul2017 Jan201	8 Feb2019 Jun2019 May2	020 May2021 Aug2022 Mar2023 De	c2023 Apr202	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36796	USP0005329	USPM31690
Sample Date		Client Info		23 Apr 2024	28 Jan 2024	28 Dec 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	<1	0
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	0	0	<1
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	<1	<1	0
Tin	ppm	ASTM D5185m	>9	0	0	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	0	<1
Magnesium	ppm	ASTM D5185m	0	<1	0	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	1800	627	763	826
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	117	60	0
CONTAMINANTS	<b>3</b>	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	8	4	2
Sodium	ppm	ASTM D5185m	>00	0	0	3
Potassium						
i olassiaiii			>20			
Water	ppm	ASTM D5185m	>20	0	0	2
Water ppm Water						
	ppm % ppm	ASTM D5185m ASTM D6304	>.1	0 0.025	0 0.028	2 0.033
ppm Water	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304	>.1 >1000	0 0.025 250	0 0.028 290	2 0.033 337
ppm Water  FLUID CLEANLIN  Particles >4µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>.1 >1000 limit/base	0 0.025 250 current	0 0.028 290 history1 ▲ 18203	2 0.033 337 history2
ppm Water  FLUID CLEANLIN  Particles >4μm  Particles >6μm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647	>.1 >1000 limit/base >5000 >1300	0 0.025 250 current ▲ 11581 ▲ 2702	0 0.028 290 history1 ▲ 18203 ▲ 3670	2 0.033 337 history2 • 26662 • 9410
ppm Water  FLUID CLEANLIN  Particles >4μm  Particles >6μm  Particles >14μm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647	>.1 >1000 limit/base >5000 >1300 >160	0 0.025 250 current ▲ 11581 ▲ 2702 125	0 0.028 290 history1 ▲ 18203 ▲ 3670 140	2 0.033 337 history2  26662 49410 557
ppm Water  FLUID CLEANLIN  Particles >4µm  Particles >6µm  Particles >14µm  Particles >21µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647	>.1 >1000 limit/base >5000 >1300 >160 >40	0 0.025 250 current ▲ 11581 ▲ 2702 125 29	0 0.028 290 history1 ▲ 18203 ▲ 3670 140 30	2 0.033 337 history2 △ 26662 △ 9410 △ 557 △ 105
Particles >4μm Particles >6μm Particles >14μm Particles >21μm Particles >38μm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>.1 >1000 limit/base >5000 >1300 >160 >40 >10	0 0.025 250  current  11581  2702 125 29 1	0 0.028 290 history1 ▲ 18203 ▲ 3670 140 30	2 0.033 337 history2  26662 49410 557 105 4
ppm Water  FLUID CLEANLIN  Particles >4μm  Particles >6μm  Particles >14μm  Particles >21μm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647	>.1 >1000 limit/base >5000 >1300 >160 >40	0 0.025 250 current ▲ 11581 ▲ 2702 125 29	0 0.028 290 history1 ▲ 18203 ▲ 3670 140 30	2 0.033 337 history2  26662 49410 557 105
ppm Water  FLUID CLEANLIN  Particles >4μm  Particles >6μm  Particles >14μm  Particles >21μm  Particles >38μm  Particles >71μm	ppm % ppm IESS	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>.1 >1000 limit/base >5000 >1300 >160 >40 >10 >3	0 0.025 250 current ▲ 11581 ▲ 2702 125 29 1	0 0.028 290 history1 ▲ 18203 ▲ 3670 140 30 1	2 0.033 337 history2  26662 49410 557 105 4 0

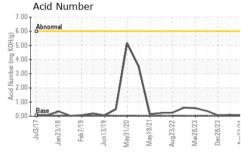


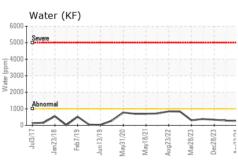
## **OIL ANALYSIS REPORT**











VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2

SAMPLE IMAGES

method limit/base

current

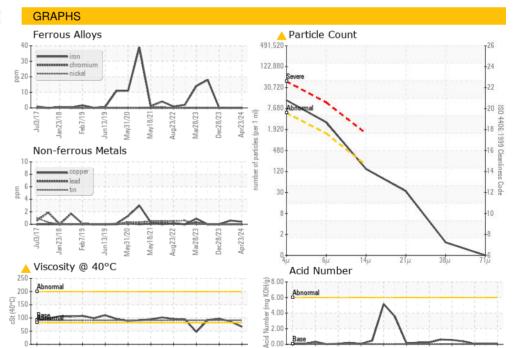
history1

history2

Color

**Bottom** 









Certificate 12367

Laboratory Sample No.

Lab Number : 06159147 Unique Number : 10994570

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM36796

Received : 24 Apr 2024 **Tested** : 29 Apr 2024

Diagnosed

: 29 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)

Contact/Location: ? ? - JBSTOL

Report Id: JBSTOL [WUSCAR] 06159147 (Generated: 05/04/2024 04:15:05) Rev: 1

JBS - TOLLESON

TOLLESON, AZ

US 85353

Contact:

T:

F: