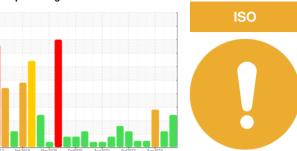


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KF-CV 1-PUMP 3 (S/N U161300129) Component **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 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.

		ep2017 Feb	2019 May2020 Oct2	020 Aug <sup>2</sup> 021 Oct <sup>2</sup> 022 A	ug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36805	USPM31578	USPM27271
Sample Date		Client Info		23 Apr 2024	20 Dec 2023	28 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	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	1	3
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	0	0	0
Lead	ppm	ASTM D5185m	>12	0	0	<1
Copper	ppm	ASTM D5185m	>30	0	0	<1
Tin	ppm	ASTM D5185m	>9	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
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	6
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	1800	685	810	730
Zinc	ppm	ASTM D5185m	0	0	0	11
Sulfur	ppm	ASTM D5185m	0	54	27	9
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	17	2	1
Sodium	ppm	ASTM D5185m		0	1	2
Potassium	ppm	ASTM D5185m	>20	0	0	3
Water	%	ASTM D6304	>.1	0.048	0.008	<u> </u> 0.141
ppm Water	ppm	ASTM D6304	>1000	486	87	<b>1410</b>
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	4969	6876	
Particles >6μm		ASTM D7647	>1300	<u> </u>	1523	
Particles >14μm		ASTM D7647	>160	<b>209</b>	73	
Particles >21µm		ASTM D7647		<b>85</b>	16	
Particles >38µm		ASTM D7647	>10	<u>20</u>	1	
Particles >71µm		ASTM D7647	>3	<u> </u>	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>1</b> 9/18/15	20/18/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.075	0.089	0.09



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number : 06159138 Unique Number : 10994561

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM36805

Received : 24 Apr 2024 **Tested** 

: 25 Apr 2024 Diagnosed

: 26 Apr 2024 - Jonathan Hester

Test Package : IND 2 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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)

F: Contact/Location: ? ? - JBSTOL

JBS - TOLLESON

TOLLESON, AZ

US 85353

Contact:

T: