

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

PL1 EAST CV UPPER (S/N 55892042) Component Pump

USPI VAC 100 (--- GAL)

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.

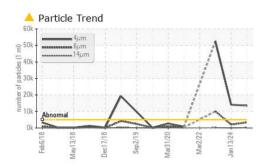
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36477	USPM30741	USPM26885
Sample Date		Client Info		04 Jun 2024	13 Jan 2024	22 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	0	<1
Chromium	ppm	ASTM D5185m	>5	0	0	0
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	<1
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m		0	<1	0
Tin	ppm	ASTM D5185m	>9	۰ <1	<1	0
Antimony	ppm	ASTM D5185m	-			
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	PPIII			-		-
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		<1	<1	0
Magnesium	ppm	ASTM D5185m	0	0	<1	<1
Calcium	ppm	ASTM D5185m	0	<1	3	0
Phosphorus	ppm	ASTM D5185m	1800	857	840	883
Zinc	ppm	ASTM D5185m	0	0	5	0
Sulfur	ppm	ASTM D5185m	0	61	113	21
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	10	10	7
Sodium	ppm	ASTM D5185m		<1	1	0
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>.1	0.040	0.030	0.027
ppm Water	ppm	ASTM D6304	>1000	401	301	276.9
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	13509	▲ 14102	▲ 52549
Particles >6µm		ASTM D7647	>1300	<u> </u>	2080	▲ 10021
Particles >14μm		ASTM D7647	>160	204	48	1 98
Particles >21µm		ASTM D7647	>40	45	9	5 1
Particles >38µm		ASTM D7647	>10	2	0	1
Particles >71µm				2	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	_ <u> </u>	▲ 21/18/13	▲ 23/21/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) :29:06) Rev: 1	mg KOH/g	ASTM D8045	0.05	0.072	0.205 Contact/Location:	0.097

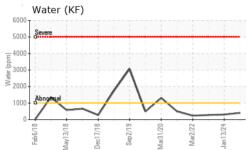
Report Id: ARMSAIIL [WUSCAR] 06200179 (Generated: 06/10/2024 10:29:06) Rev: 1

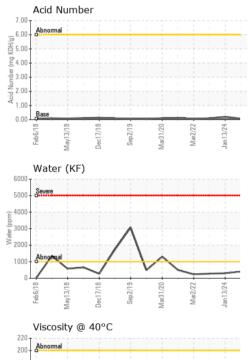
Contact/Location: ? ? - ARMSAIIL

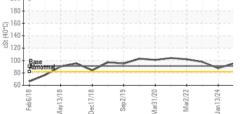


OIL ANALYSIS REPORT







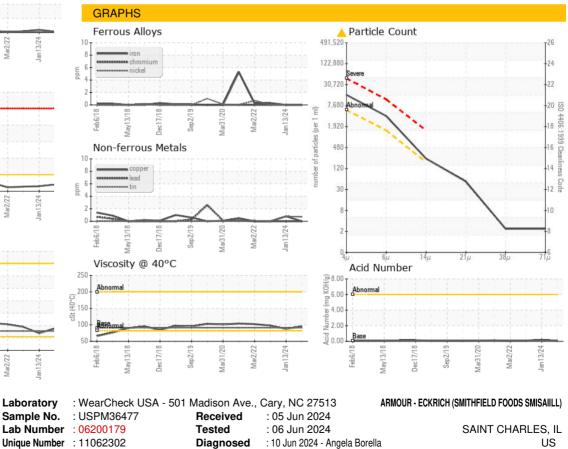


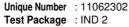
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	91	95.5	87.5	97.7
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color				a.		

D ...



Bottom





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: ARMSAIIL [WUSCAR] 06200179 (Generated: 06/10/2024 10:29:06) Rev: 1

Certificate 12367

Contact/Location: ? ? - ARMSAIIL

Contact:

T:

F: