

OIL ANALYSIS REPORT

Sample Rating Trend **VIS DEBRIS**

Machine Id

BUSCH PR5-507 P2 (S/N 204876)

Compone Pump Fluid USPI VAC 100 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

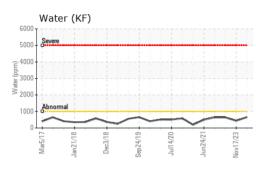
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37794	USPM30848	USPM27908
Sample Date		Client Info		01 Jun 2024	17 Nov 2023	18 Jul 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	0	0
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>3	0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	<1	0	<1
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m		<1	<1	0
Tin	ppm	ASTM D5185m	>9	<1	<1	0
Antimony	ppm	ASTM D5185m	-			
Vanadium	ppm	ASTM D5185m		0	0	<1
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
Molybdenum	ppm	ASTM D5185m	0	0	<1	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	<1	0	2
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m	1800	843	719	762
Zinc	ppm	ASTM D5185m		0	0	<1
Sulfur	ppm	ASTM D5185m	0	47	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon						
SIIICON	ppm	ASTM D5185m	>60	4	3	3
Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>60	4 1	3 0	
						3
Sodium	ppm	ASTM D5185m	>20	1	0	3 0
Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20	1 3	0 1	3 0 1
Sodium Potassium Water	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304	>20 >.1	1 3 0.065	0 1 0.043	3 0 1 0.063
Sodium Potassium Water ppm Water	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304	>20 >.1 >1000	1 3 0.065 655	0 1 0.043 437	3 0 1 0.063 637.3
Sodium Potassium Water ppm Water FLUID CLEANLIN	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method	>20 >.1 >1000 limit/base	1 3 0.065 655	0 1 0.043 437 history1	3 0 1 0.063 637.3 history2
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>20 >.1 >1000 limit/base >5000	1 3 0.065 655 current	0 1 0.043 437 history1 554	3 0 1 0.063 637.3 history2 1362
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647	>20 >.1 >1000 limit/base >5000 >1300	1 3 0.065 655 current 	0 1 0.043 437 history1 554 121	3 0 1 0.063 637.3 history2 1362 437
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >.1 >1000 limit/base >5000 >1300 >160	1 3 0.065 655 current 	0 1 0.043 437 history1 554 121 11	3 0 1 0.063 637.3 history2 1362 437 43
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >.1 >1000 limit/base >5000 >1300 >160 >40	1 3 0.065 655 current 	0 1 0.043 437 history1 554 121 11 3	3 0 1 0.063 637.3 history2 1362 437 43 12
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm ppm % ppm	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >.1 >1000 limit/base >5000 >1300 >160 >40 >10	1 3 0.065 655 current 	0 1 0.043 437 history1 554 121 11 3 0	3 0 1 0.063 637.3 history2 1362 437 43 12 1
Sodium Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >21µm Particles >38µm Particles >71µm	ppm % ppm ESS	ASTM D5185m ASTM D5185m ASTM D6304 ASTM D6304 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >.1 >1000 limit/base >5000 >1300 >160 >40 >10 >3	1 3 0.065 655 current 	0 1 0.043 437 history1 554 121 11 3 0 0 0	3 0 1 0.063 637.3 history2 1362 437 43 12 1 1 0

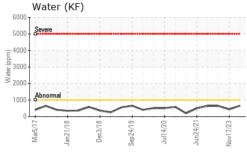
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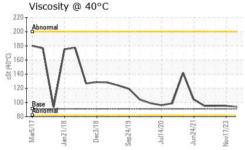
Contact/Location: SERVICE MANAGER - IBPEMP01



OIL ANALYSIS REPORT

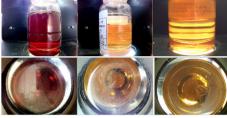




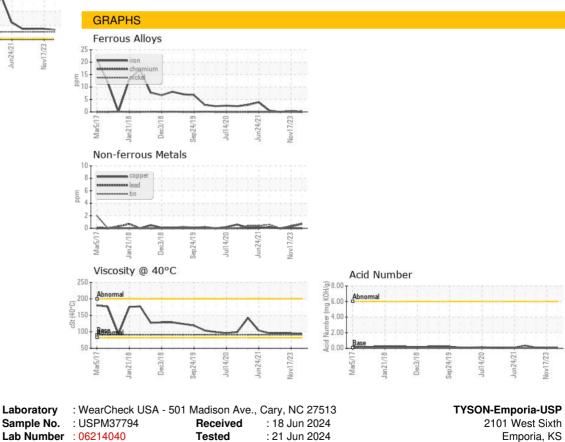


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	A MODER	NONE	NONE
Sand/Dirt	scalar	*Visual	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	94.0	95.3	95.2
SAMPLE IMAGES		method	limit/base	current	history1	history2
						PRS = 200 PRS = 200 UNE UNE UNE

Color



Bottom



: 21 Jun 2024 - Doug Bogart

 Certificate 12367
 Test Package
 : IND 2
 Contact

 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)

Diagnosed

Unique Number : 11086904

T: (620)343-3640 F: (620)340-1253

Contact: SERVICE MANAGER

Contact/Location: SERVICE MANAGER - IBPEMP01

US 66801