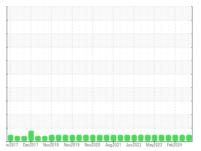


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id

BUSCH VM3 / VP-1

Component Pump

USPI VAC 100 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

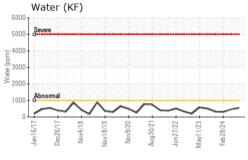
Fluid Condition

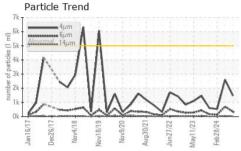
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

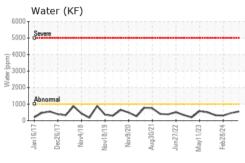
mZ917 DecZ017 NewZ016 NewZ019 NewZ020 AugZ021 JunZ022 MayZ023 Feb2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37614	USP0006309	USPM30311
Sample Date		Client Info		09 Jun 2024	15 Apr 2024	28 Feb 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	<1	0	0
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	2	3	2
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	<1	0	0
Tin	ppm	ASTM D5185m	>9	<1	<1	1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
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	0
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m	0	5	5	6
Phosphorus	ppm	ASTM D5185m	1800	1177	1272	1095
Zinc	ppm	ASTM D5185m	0	0	1	5
Sulfur	ppm	ASTM D5185m	0	11	0	23
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	7	2	7
Sodium	ppm	ASTM D5185m		1	3	2
Potassium	ppm	ASTM D5185m	>20	1	14	1
Water	%	ASTM D6304	>.1	0.055	0.045	0.030
ppm Water	ppm	ASTM D6304	>1000	558	459	308
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
				Current	History	HISTOLYZ
Particles >4µm		ASTM D7647	>5000	1478	2604	528
Particles >4μm Particles >6μm						
		ASTM D7647	>5000	1478	2604	528
Particles >6µm		ASTM D7647 ASTM D7647	>5000 >1300	1478 341	2604 704	528 136
Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647 ASTM D7647	>5000 >1300 >160	1478 341 17	2604 704 53	528 136 9
Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>5000 >1300 >160 >40	1478 341 17 6	2604 704 53 16	528 136 9 4
Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>5000 >1300 >160 >40 >10	1478 341 17 6 0	2604 704 53 16	528 136 9 4
Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	TION	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>5000 >1300 >160 >40 >10 >3	1478 341 17 6 0	2604 704 53 16 1	528 136 9 4 1

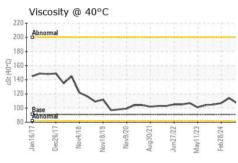


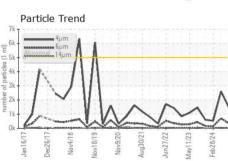
OIL ANALYSIS REPORT

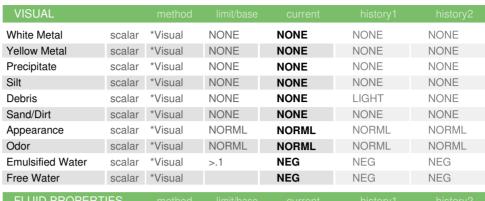












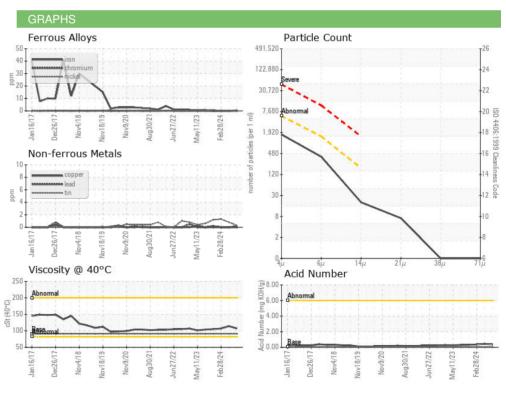
I LOID I NOI LITTILS		memou			HISTOLAL	HISTOLYZ
Visc @ 40°C	cSt	ASTM D445	91	107	114	107

SAMPLE IMAGES	method		history2

Color











Certificate 12367

Laboratory Sample No. Lab Number

: USPM37614 : 06205484 Unique Number : 11072945 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jun 2024 **Tested** : 12 Jun 2024

Diagnosed : 12 Jun 2024 - Doug Bogart

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: (605)235-2960

Report Id: IBPDAKPRO [WUSCAR] 06205484 (Generated: 06/12/2024 22:21:05) Rev: 1

Contact/Location: Service Manager - IBPDAKPRO

P.O. BOX 515

US 68731

DAKOTA CITY, NE

TYSON-DAKOTA CITY-PRO

Contact: Service Manager