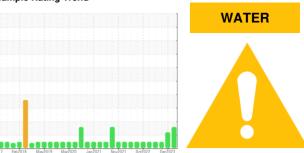


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

BUSCH TYSWALWAS VAC 5B (S/N U074106871)

Compone 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 trace of moisture present in the oil. The amount and size of particulates present in the system are acceptable.

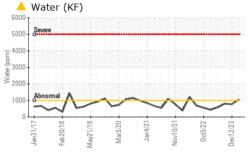
Fluid Condition

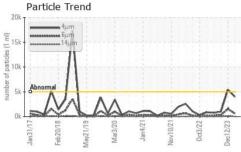
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

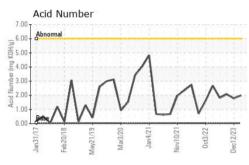
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM36374	USPM31859	USPM29070
Sample Date		Client Info		29 May 2024	12 Dec 2023	01 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				MARGINAL	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	50	34	43
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	2	1	2
Lead	ppm	ASTM D5185m	>12	<1	0	0
Copper	ppm	ASTM D5185m	>30	11	6	5
Tin	ppm	ASTM D5185m	>9	<1	1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	4	8
Barium	ppm	ASTM D5185m	0	<1	<1	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	2	<1	0
Calcium	ppm	ASTM D5185m	0	9	7	15
Phosphorus	ppm	ASTM D5185m	1800	1815	1680	2184
Zinc	ppm	ASTM D5185m	0	58	35	41
Sulfur	ppm	ASTM D5185m	0	0	36	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	3	2	2
Sodium	ppm	ASTM D5185m		25	16	7
Potassium	ppm	ASTM D5185m	>20	2	2	2
Water	%	ASTM D6304	>.1	<u> </u>	0.077	0.080
ppm Water	ppm	ASTM D6304	>1000	1056	771	804.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
			>5000	0005	5418	004
Particles >4µm		ASTM D7647	>5000	3985	3410	984
Particles >4μm Particles >6μm		ASTM D7647 ASTM D7647		599	1534	277
·						
Particles >6µm		ASTM D7647	>1300	599	1534	277
Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647	>1300 >160	599 31	1534 141	277 23
Particles >6µm Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647 ASTM D7647	>1300 >160 >40 >10	599 31 7	1534 141 41	277 23 10
Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >160 >40 >10	599 31 7 0	1534 141 41 2	277 23 10 4
Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ATION	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >160 >40 >10 >3	599 31 7 0	1534 141 41 2	277 23 10 4

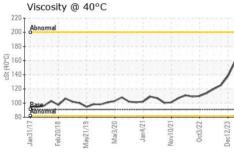


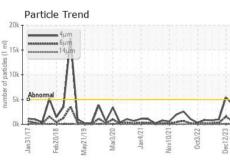
OIL ANALYSIS REPORT











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	NONE	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	TES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	91	158	138	125.0

limit/base

method

Color

SAMPLE IMAGES

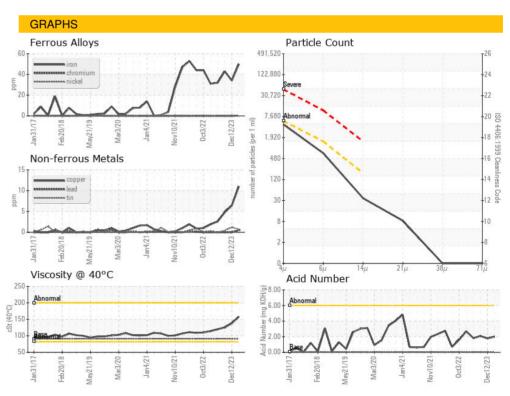




current



history2







Certificate 12367

Laboratory Sample No. Lab Number : 06195469 Unique Number : 11057592

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM36374

Received : 30 May 2024 **Tested** : 31 May 2024

Diagnosed : 31 May 2024 - Doug Bogart **TYSON - PASCO WALLULA -USP**

DODD RD WALLULA, WA US 99363

T: (402)423-6375

F: (402)423-6661

Contact: RICK DUVALL

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: TYSWAL [WUSCAR] 06195469 (Generated: 05/31/2024 20:27:41) Rev: 1

Contact/Location: RICK DUVALL - TYSWAL