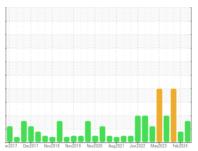


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id

BUSCH VM11 / VP-2

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.

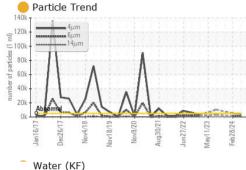
Fluid Condition

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

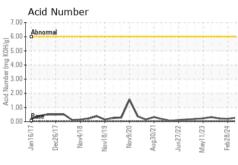
m2017											
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2					
Sample Number		Client Info		USP0006799	USPM30281	USPM31348					
Sample Date		Client Info		15 Apr 2024	28 Feb 2024	26 Nov 2023					
Machine Age	hrs	Client Info		0	0	0					
Oil Age	hrs	Client Info		0	0	0					
Oil Changed		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	10	7	0					
Chromium	ppm	ASTM D5185m	>5	0	0	0					
Nickel	ppm	ASTM D5185m	>5	0	0	<1					
Titanium	ppm	ASTM D5185m	>3	0	0	0					
Silver	ppm	ASTM D5185m	>3	0	0	0					
Aluminum	ppm	ASTM D5185m	>7	0	<1	0					
Lead	ppm	ASTM D5185m	>12	0	0	<1					
Copper	ppm	ASTM D5185m	>30	0	0	0					
Tin	ppm	ASTM D5185m	>9	<1	<1	<1					
Vanadium	ppm	ASTM D5185m		<1	<1	0					
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	<1					
Calcium	ppm	ASTM D5185m	0	0	<1	1					
Phosphorus	ppm	ASTM D5185m	1800	886	606	883					
Zinc	ppm	ASTM D5185m	0	0	10	0					
Sulfur	ppm	ASTM D5185m	0	90	63	13					
CONTAMINANTS		method	limit/base	current	history1	history2					
Silicon	ppm	ASTM D5185m	>60	7	2	7					
Sodium	ppm	ASTM D5185m		2	10	0					
Potassium	ppm	ASTM D5185m	>20	13	0	1					
Water	%	ASTM D6304	>.1	0.079	0.018	△ 0.143					
ppm Water	ppm	ASTM D6304	>1000	799	186	▲ 1430					
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2					
Particles >4µm		ASTM D7647	>5000	4345	5069						
Particles >6µm		ASTM D7647	>1300	<u> </u>	1048						
Particles >14μm		ASTM D7647	>160	170	17						
Particles >21µm		ASTM D7647	>40	41	4						
Particles >38µm		ASTM D7647	>10	1	0						
Particles >71µm		ASTM D7647	>3	0	0						
Oil Cleanliness		ISO 4406 (c)	>19/17/14	1 9/18/15	20/17/11						
FLUID DEGRADA	TION	method	limit/base	current	history1	history2					
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.28	0.20	0.22					

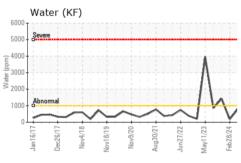


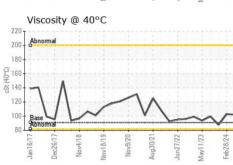
OIL ANALYSIS REPORT

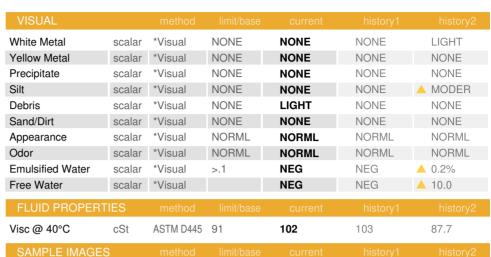


6000-	Water	(KF)						
5000	Severe							
€ 4000·								
Mater (ppm) 3000 -							1	
≥ 2000.	Abnormal						1	
1000	Abnorma		\sim	\sim	^	_	JV	V
0-	Jan 16/17	Nov4/18 -	Nov18/19	Nov9/20	Aug30/21	Jun27/22	May11/23	Feb28/24





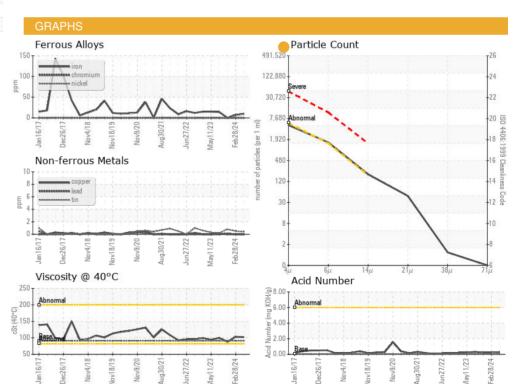




Color

Bottom









Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: USP0006799 : 06150387 Lab Number Unique Number : 10980465

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Apr 2024 **Tested** : 17 Apr 2024

Diagnosed : 17 Apr 2024 - Doug Bogart TYSON-DAKOTA CITY-PRO

P.O. BOX 515 DAKOTA CITY, NE US 68731

Contact: Service Manager

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)

F: (605)235-2960