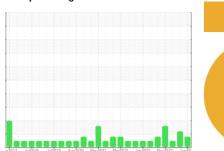


OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id

BUSCH VS-2 PUMP 1 (S/N U152100069)

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 silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

		sc2017 Jul20	18 Jul2019 Aug2020	May2021 Mar2022 Jan2023 No	v2023 Jun20;	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM37630	USP0006323	USPM30255
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				ATTENTION	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	23	19	5
Chromium	ppm	ASTM D5185m	>5	0	<1	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	1	1	<1
Lead	ppm	ASTM D5185m	>12	0	0	0
Copper	ppm	ASTM D5185m	>30	<1	0	0
Tin	ppm	ASTM D5185m	>9	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<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	<1	0
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m	0	4	9	8
Phosphorus	ppm	ASTM D5185m	1800	1383	1488	1162
Zinc	ppm	ASTM D5185m	0	6	6	2
Sulfur	ppm	ASTM D5185m	0	0	0	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	2	2	1
Sodium	ppm	ASTM D5185m		3	2	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water	%	ASTM D6304	>.1	0.063	0.041	0.048
ppm Water	ppm	ASTM D6304	>1000	640	419	482
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	4532	5076	1511
Particles >6µm		ASTM D7647	>1300	1653	1829	416
Particles >14µm		ASTM D7647	>160	67	111	38
Particles >21µm		ASTM D7647	>40	7	20	9
Particles >38µm		ASTM D7647	>10	1	2	1
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/18/13	20/18/14	18/16/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	1.01	1.09	0.61



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: USPM37630 : 06205507 Unique Number : 11072968 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] 06205507 (Generated: 06/12/2024 22:41:06) Rev: 1

Contact/Location: Service Manager - IBPDAKPRO

P.O. BOX 515

US 68731

T:

DAKOTA CITY, NE

TYSON-DAKOTA CITY-PRO

Contact: Service Manager