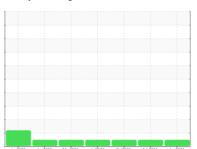


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id

# **BUSCH KUKA (S/N U110901627)**

Vacuum Pump

USPI VAC 100 (--- GAL)

### DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Wear

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.

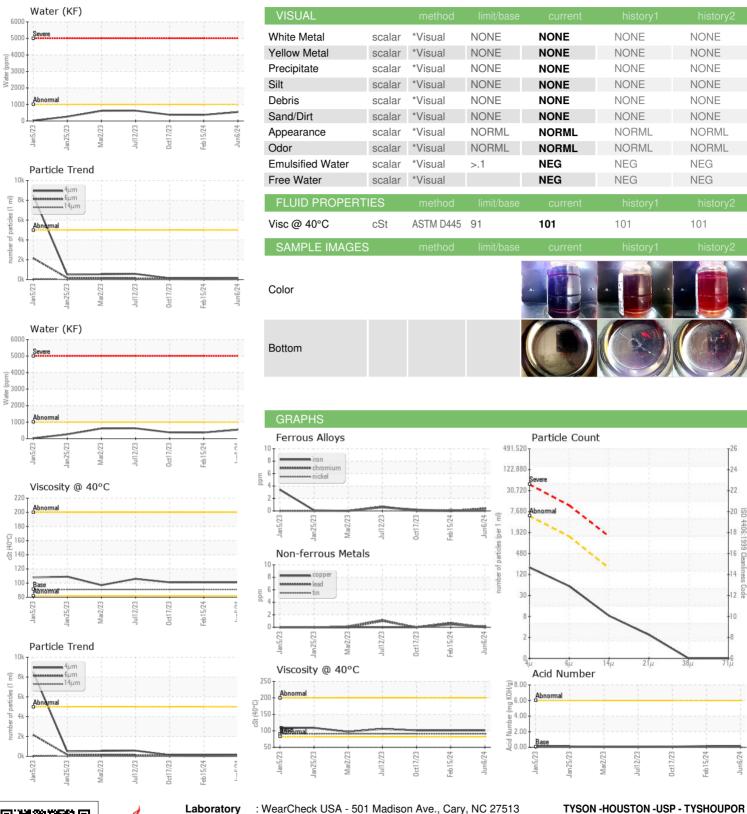
# **Fluid Condition**

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

		Jan 2023	Jan 2023 Mar 2023	Jul2023 Oct2023 Feb2024	Jun 2024	
SAMPLE INFORM	MATION	method	limit/base	ourront	history1	history?
	IATION		IIIIII/Dase	current	history1	history2
Sample Number		Client Info		USPM37529	USPM30036	USPM31050
Sample Date		Client Info		06 Jun 2024	15 Feb 2024	17 Oct 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				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	<1
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	0
Lead	ppm	ASTM D5185m	>20	0	<1	0
Copper	ppm	ASTM D5185m	>20	0	<1	0
Tin	ppm	ASTM D5185m	>20	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	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	<1	0
Magnesium	ppm	ASTM D5185m	0	0	<1	0
Calcium	ppm	ASTM D5185m	0	0	1	0
Phosphorus	ppm	ASTM D5185m	1800	759	665	722
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	0	0	20	40
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	2
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>.1	0.054	0.036	0.037
ppm Water	ppm	ASTM D6304	>1000	544	369	377.1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	168	121	132
Particles >6µm		ASTM D7647	>1300	49	34	51
Particles >14µm		ASTM D7647	>160	7	5	7
Particles >21µm		ASTM D7647	>40	2	2	2
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/13/10	14/12/10	14/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.15	0.177	0.089



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory

Sample No. Lab Number Unique Number : 11070233

: USPM37529 : 06202772 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jun 2024

**Tested** : 10 Jun 2024 Diagnosed : 11 Jun 2024 - Doug Bogart

HOUSTON, TX US 77029 Contact: SERVICE MANAGER

300 PORTWELL RD.

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)

T:

F: