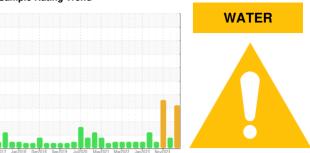


## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **SLAVE DR/MAIN CHAIN**

Component **Gearbox** 

USPI FG GEAR 220 (--- GAL)

### DIAGNOSIS

#### Recommendation

We advise that you perform a filter service and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

#### Wear

All component wear rates are normal.

#### Contamination

Appearance is hazy. There is a moderate amount of visible silt present in the sample. There is a moderate concentration of water present in the oil.

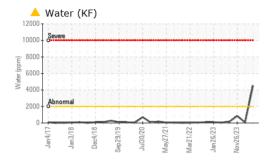
### **Fluid Condition**

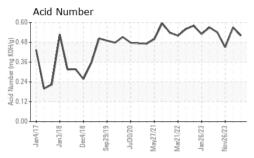
The AN level is acceptable for this fluid.

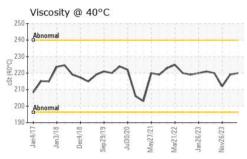
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
	717 (11014	Client Info	III III Dasc	USPM37605	USPM30277	USPM31362
Sample Number		Client Info		09 Jun 2024	28 Feb 2024	26 Nov 2023
Sample Date Machine Age	hrs	Client Info		09 Juli 2024	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1113	Client Info		N/A	N/A	N/A
Sample Status		Olicit iiilo		ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	32	6	11
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	0	0
Lead	ppm	ASTM D5185m	>100	0	0	<1
Copper	ppm	ASTM D5185m		<1	0	<1
Tin	ppm	ASTM D5185m	>25	0	0	<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
Barium	ppm	ASTM D5185m		10	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		2	0	<1
Magnesium	ppm	ASTM D5185m		9	0	2
Calcium	ppm	ASTM D5185m		8	0	3
Phosphorus	ppm	ASTM D5185m		262	190	223
Zinc	ppm	ASTM D5185m		56	5	29
Sulfur	ppm	ASTM D5185m		7173	5749	6075
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	<1	1
Sodium	ppm	ASTM D5185m		8	2	2
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water	%	ASTM D6304	>0.2	<b>△</b> 0.453	0.007	0.086
ppm Water	ppm	ASTM D6304	>2000	<b>4530</b>	76	860
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000		29129	
Particles >6µm		ASTM D7647	>5000		3618	
Particles >14μm		ASTM D7647	>640		108	
Particles >21µm		ASTM D7647	>160		20	
Particles >38μm		ASTM D7647	>40		0	
Particles >71µm		ASTM D7647			0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16		22/19/14	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.52	0.57	0.45



## **OIL ANALYSIS REPORT**



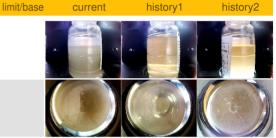




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	▲ MODER	NONE	▲ MODER
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	HAZY	NORML	HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	0.2%	NEG	0.2%
Free Water	scalar	*Visual		NEG	NEG	<u>▲</u> 1.0
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		220	219	212
SAMPLE IMAGES		method	limit/base	current	history1	history2

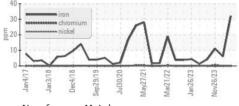
Color

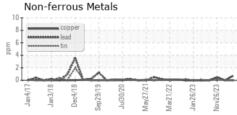


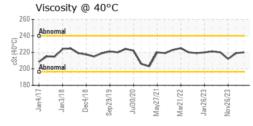


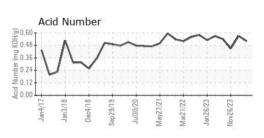
#### **GRAPHS**

Ferrous Alloys













Certificate 12367

Laboratory Sample No.

Lab Number : 06205465 Unique Number : 11072926

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : USPM37605 Received : 10 Jun 2024 **Tested** : 18 Jun 2024

Diagnosed : 18 Jun 2024 - Doug Bogart

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

Contact: Service Manager

**TYSON-DAKOTA CITY-PRO** 

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)

T: F: (605)235-2960