

## **OIL ANALYSIS REPORT**

### Sample Rating Trend

### **NORMAL**



# **RGS 10 - HYDRAULIC**

# RGS 10 6 GRINDER HYDRAULIC UNIT (S/N 16-2530-0157)

Hydraulic System

**CASTROL HYSPIN AWS HYDRAULIC 22 (-**

# DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

#### **Fluid Condition**

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

• QTS)						
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0044231	RP0037962	RP0034964
Sample Date		Client Info		29 May 2024	05 Jan 2024	11 Jul 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
ron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	<1
_ead	ppm	ASTM D5185m	>20	3	4	3
Copper	ppm	ASTM D5185m	>20	2	1	1
Γin	ppm	ASTM D5185m	>20	<1	<1	0
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	7	0
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		39	45	41
Phosphorus	ppm	ASTM D5185m		381	345	326
Zinc	ppm	ASTM D5185m		466	463	431
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	3	3	4
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Vater	%	ASTM D6304	>0.05	0.002	0.002	0.001
ppm Water	ppm	ASTM D6304	>500	25	25	14.2
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	1061	787	593
Particles >6µm		ASTM D7647	>1300	234	206	177
Particles >14µm		ASTM D7647	>160	29	18	14
Particles >21µm		ASTM D7647	>40	8	8	4
Particles >38µm		ASTM D7647	>10	0	0	0
Dankialaa 71		ACTM D7047	0	•	0	0

ASTM D7647 >3

>19/17/14

ISO 4406 (c)

mg KOH/g ASTM D8045

0 17/15/12

0.29

Particles >71µm

Oil Cleanliness

Acid Number (AN)

**FLUID DEGRADATION** 

17/15/11

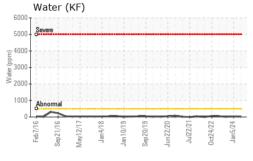
0.29

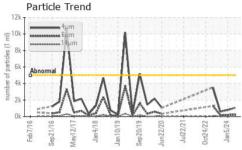
16/15/11

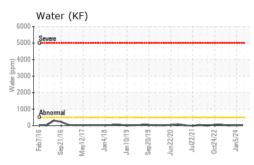
0.31

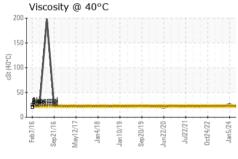


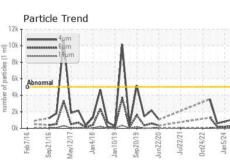
## **OIL ANALYSIS REPORT**











VISUAL		method				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
<b>Emulsified Water</b>	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IFS	method	limit/base	current	history1	history2

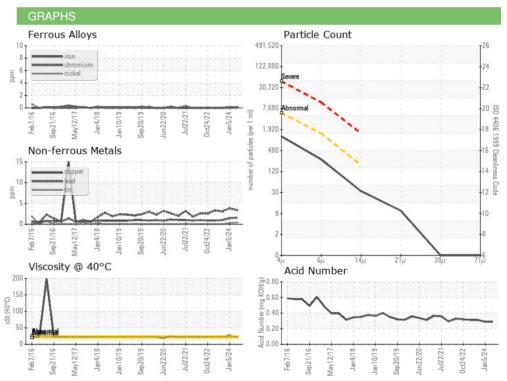
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Visc @ 40°C	cSt	ASTM D445	22.9	20.6	26.5	21.3

SAMPLE IMAGES	method		
			150

**Bottom** 

Color









Certificate 12367

Laboratory Sample No. Lab Number : 06195462

Test Package : IND 2

: RP0044231 Unique Number : 11057585

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 31 May 2024 Diagnosed : 31 May 2024 - Angela Borella

: 30 May 2024

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)

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