

# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[BEFORE FILTERING]**  
Machine Id  
**ROTOCHOPPER (S/N SP66)**  
Component  
**Hydraulic System**  
Fluid  
**RYCON PREM 46 (--- GAL)**

**DIAGNOSIS**

**Recommendation**  
Resample at the next service interval to monitor. (after system cleaning).

**Wear**  
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.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>Y2K0001366</b>	---	---
Sample Date	Client Info		<b>12 Jul 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>9</b>	---	---
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m >20	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m >20	<b>0</b>	---	---
Copper	ppm	ASTM D5185m >20	<b>17</b>	---	---
Tin	ppm	ASTM D5185m >20	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>2</b>	---	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>58</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>2</b>	---	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>21</b>	---	---
Calcium	ppm	ASTM D5185m	<b>2013</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>788</b>	---	---
Zinc	ppm	ASTM D5185m	<b>1007</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>6761</b>	---	---

**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>5</b>	---	---
Sodium	ppm	ASTM D5185m	<b>5</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	---	---
Water	%	ASTM D6304 >0.05	<b>0.022</b>	---	---
ppm Water	ppm	ASTM D6304 >500	<b>221.1</b>	---	---

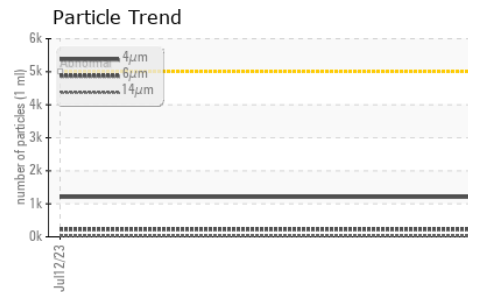
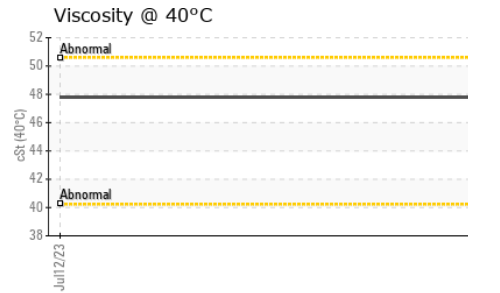
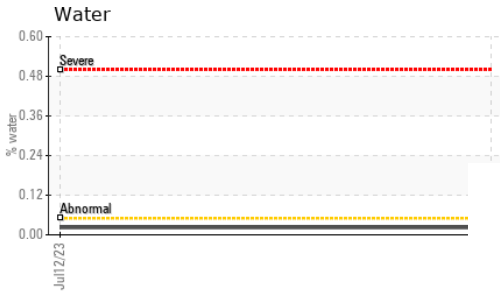
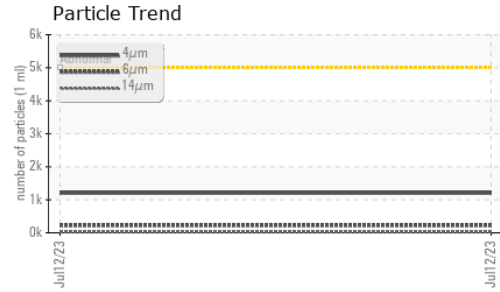
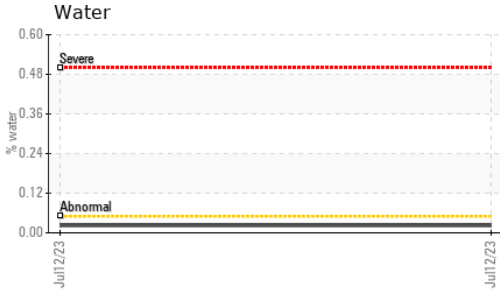
**FLUID CLEANLINESS**

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>1205</b>	---	---
Particles >6µm	ASTM D7647	>1300	<b>225</b>	---	---
Particles >14µm	ASTM D7647	>160	<b>22</b>	---	---
Particles >21µm	ASTM D7647	>40	<b>7</b>	---	---
Particles >38µm	ASTM D7647	>10	<b>1</b>	---	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>17/15/12</b>	---	---

**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>1.144</b>	---	---

# OIL ANALYSIS REPORT



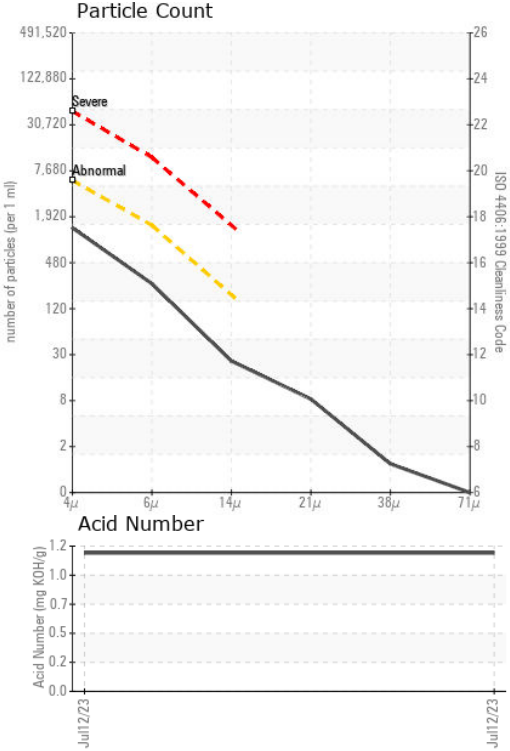
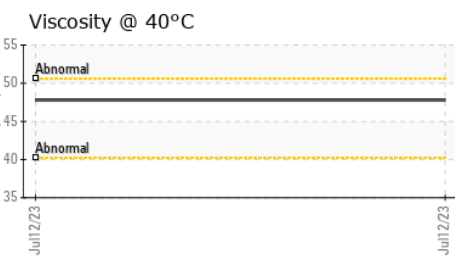
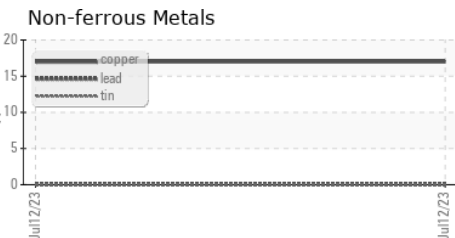
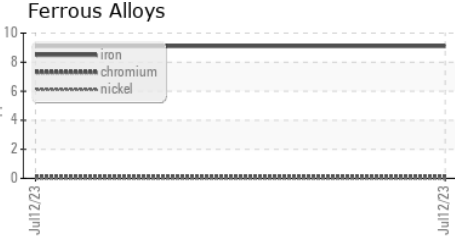
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	47.8	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color		no image	no image
Bottom		no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : Y2K0001366 **Received** : 17 Jul 2023  
**Lab Number** : 05899889 **Diagnosed** : 18 Jul 2023  
**Unique Number** : 10561245 **Diagnostician** : Angela Borella  
**Test Package** : MOB 2 ( Additional Tests: KF )

**LACROSSE QUEEN**  
 2713 HEMSTOCK ST  
 LACROSSE, WI  
 US 54603  
 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)