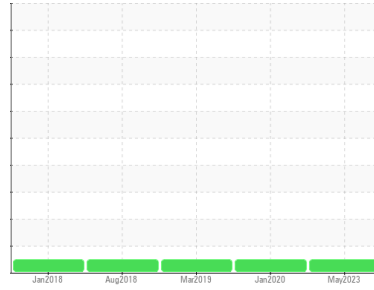




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**YANMAR EX-010**

Component  
**Hydraulic System**

Fluid  
**MOBIL 10W (--- 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.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0705204</b>	WC04897891	WC0317746
Sample Date	Client Info			<b>02 May 2023</b>	27 Jan 2020	12 Mar 2019
Machine Age	hrs	Client Info		<b>3189</b>	0	1198
Oil Age	hrs	Client Info		<b>3189</b>	0	1198
Oil Changed	Client Info			<b>Not Changed</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<b>9</b>	2	2
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>3</b>	<1	0
Lead	ppm	ASTM D5185m	>20	<b>1</b>	<1	<1
Copper	ppm	ASTM D5185m	>20	<b>10</b>	2	7
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185m		<b>---</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

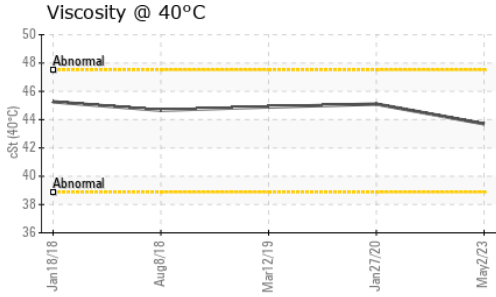
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>29</b>	0	0
Calcium	ppm	ASTM D5185m		<b>599</b>	32	36
Phosphorus	ppm	ASTM D5185m		<b>471</b>	277	289
Zinc	ppm	ASTM D5185m		<b>422</b>	68	74
Sulfur	ppm	ASTM D5185m		<b>1544</b>	463	498

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>3</b>	1	<1
Sodium	ppm	ASTM D5185m		<b>0</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	2

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>---</b>	2612	---
Particles >6µm		ASTM D7647	>1300	<b>---</b>	782	---
Particles >14µm		ASTM D7647	>160	<b>---</b>	101	---
Particles >21µm		ASTM D7647	>40	<b>---</b>	28	---
Particles >38µm		ASTM D7647	>10	<b>---</b>	1	---
Particles >71µm		ASTM D7647	>3	<b>---</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>---</b>	19/17/14	---



# OIL ANALYSIS REPORT



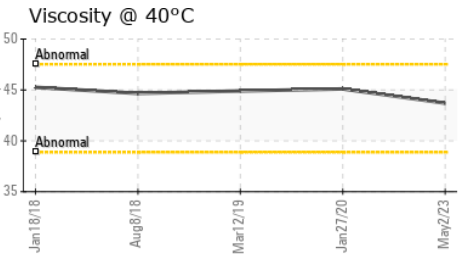
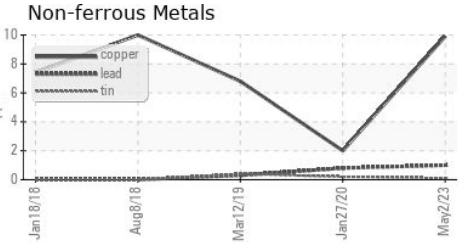
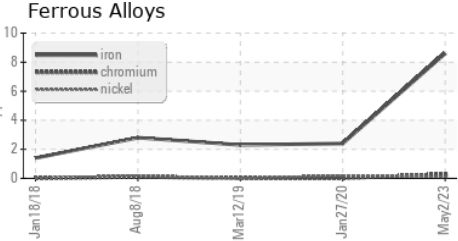
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>43.7</b>	45.1	44.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	no image		no image
Bottom	no image		no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0705204 **Received** : 18 Jul 2023  
**Lab Number** : **05901737** **Diagnosed** : 20 Jul 2023  
**Unique Number** : 10563093 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET ( Additional Tests: PrtCount )

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)

**E.C. PACE CO.**  
 1811 HOLLINS RD.  
 ROANOKE, VA  
 US 24012  
 Contact: EDDIE SECO  
 ESECO@ECPACE.COM  
 T: (276)266-5849  
 F: (540)343-6909