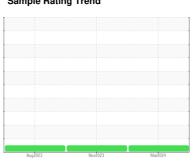


# **OIL ANALYSIS REPORT**

## Sample Rating Trend







# REFINER - SWING

Component

**Hydraulic System** 

**TOTAL SYNOLON 1000 (45 GAL)** 

### Recommendation

Resample at the next service interval to monitor.

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		PH0002643	PH0001457	PH0001166
Sample Date		Client Info		19 Mar 2024	09 Nov 2023	01 Aug 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
CONTAMINATION		method	limit/base	current	history1	history2

Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	0	<1
Tin	ppm	ASTM D5185m	>20	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
_				_		

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		0	0	6
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		367	576	508
Zinc	ppm	ASTM D5185m		0	0	16
Sulfur	ppm	ASTM D5185m		1302	0	0
CONTAMINANTS						history

CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	<1	0
Sodium	ppm	ASTM D5185m		<1	0	1
Potassium	ppm	ASTM D5185m	>20	0	1	<1
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	474	373	181
Particles >6µm		ASTM D7647	>1300	157	112	72
Particles >14µm		ASTM D7647	>320	26	11	8
Particles >21µm		ASTM D7647	>80	9	3	1
Particles >38μm		ASTM D7647	>20	1	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	16/14/12	16/14/11	15/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



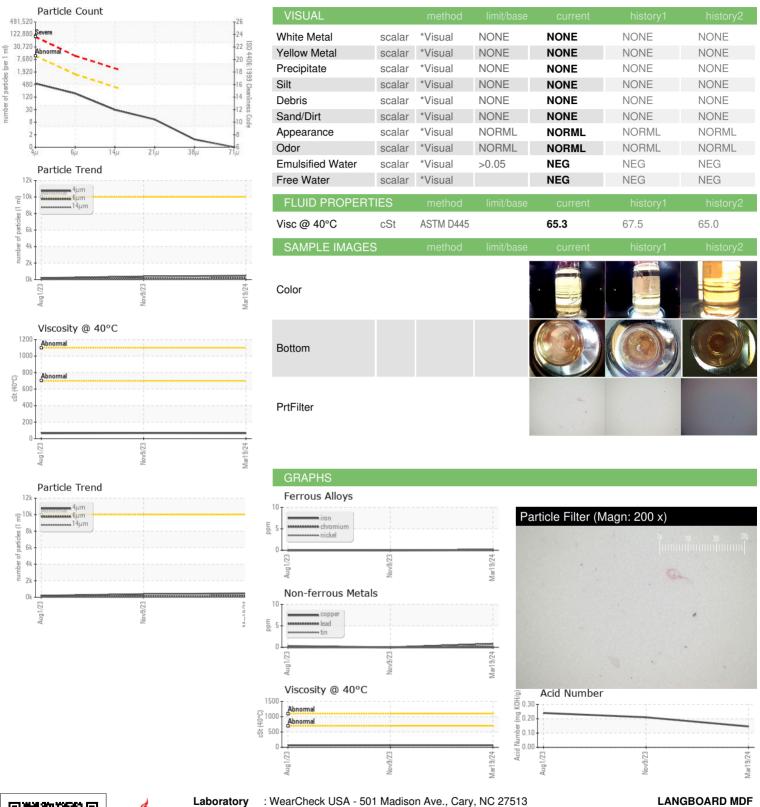
Particle Filter (Magn: 200 x)

Acid Number (AN) mg KOH/g ASTM D8045 0.146 0.21

Contact/Location: DAVID COURSON - LANWILGA



## **OIL ANALYSIS REPORT**







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PH0002643

Lab Number : 06124897 Unique Number: 10939048

**Tested** Diagnosed

Test Package: PLANT (Additional Tests: PrtFilter)

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Received

: 21 Mar 2024

: 27 Mar 2024

: 27 Mar 2024 - Jonathan Hester

Contact/Location: DAVID COURSON - LANWILGA

US 31650

F:

548 LANGBOARD RD

WILLACOOCHEE, GA

T: (912)534-5959

Contact: DAVID COURSON

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