

# **OIL ANALYSIS REPORT**

# WALPOLE Machine Id 941 - WALPOLE

**Front Differential** 

**NOT GIVEN (--- GAL)** 

Sample Rating Trend



## **DIAGNOSIS**

#### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

## Wear

Moderate concentration of visible metal present. All component wear rates are normal.

#### Contamination

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 INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0828730		
Sample Date		Client Info		11 Jul 2023		
Machine Age r	mls	Client Info		118161		
Oil Age r	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron p	opm	ASTM D5185m	>500	238		
Chromium p	opm	ASTM D5185m	>10	3		
Nickel p	opm	ASTM D5185m	>10	<1		
Titanium p	opm	ASTM D5185m		0		
Silver	opm	ASTM D5185m		0		
Aluminum	opm	ASTM D5185m	>25	4		
Lead p	opm	ASTM D5185m	>25	3		
Copper	opm	ASTM D5185m	>100	41		
Tin p	opm	ASTM D5185m	>10	4		
Vanadium p	opm	ASTM D5185m		0		
Cadmium p	opm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185m		57		
Barium p	opm	ASTM D5185m		0		
Molybdenum p	opm	ASTM D5185m		<1		
Manganese p	opm	ASTM D5185m		10		
Magnesium p	opm	ASTM D5185m		171		
Calcium	opm	ASTM D5185m		7		
Phosphorus p	opm	ASTM D5185m		1657		
Zinc	opm	ASTM D5185m		10		
Sulfur p	opm	ASTM D5185m		24278		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185m	>75	47		
Sodium p	opm	ASTM D5185m		<1		
Potassium p	opm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>.2	0.030		
ppm Water p	opm	ASTM D6304	>2000	301.8		
FLUID DEGRADAT	ION	method	limit/base	current	history1	history2
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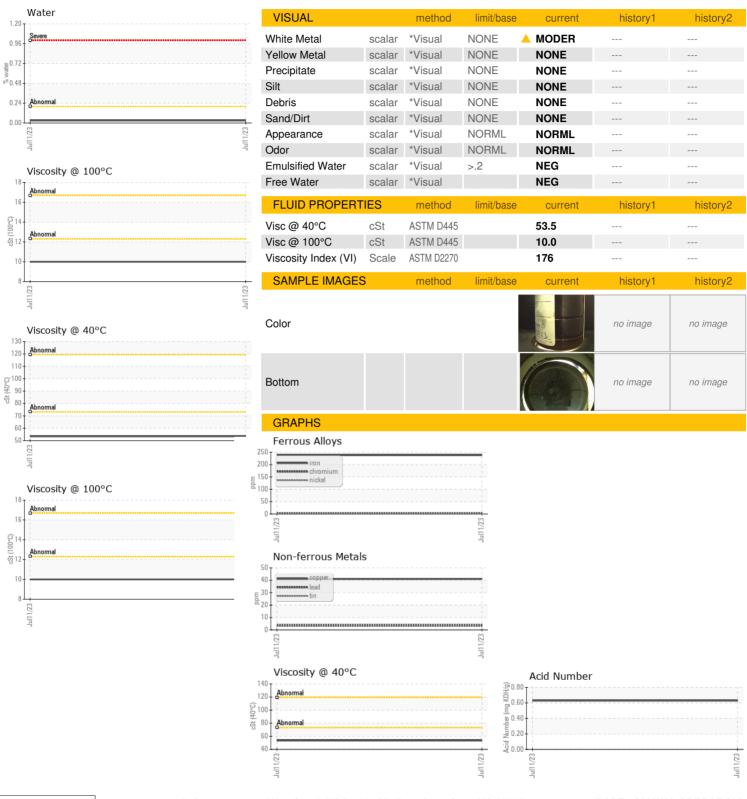
Acid Number (AN)

mg KOH/g ASTM D8045

0.63



# **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number **Unique Number** 

: WC0828730 : 05902281 : 10563637

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jul 2023 Diagnosed : 21 Jul 2023

Diagnostician : Jonathan Hester Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)

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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