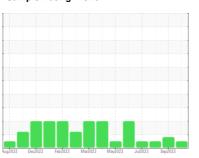


## **OIL ANALYSIS REPORT**

#### Sample Rating Trend



NORMAL



# Wachine Id VOLVO Component

**Transmission (Auto)** 

### **CASTROL TRANSMAX SYNTHETIC MV ATF (28 GAL)**

#### Dirtarvooro

#### Recommendation

Resample at the next service interval to monitor.

#### Woor

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.

F (28 GAL)		4wg2022 D	c2022 Feb2023 Ma	2023 May2023 Jul2023	Sep2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0791125	WC0791120	WC0791114
Sample Date		Client Info		02 Oct 2023	07 Sep 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	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	<1	0	0
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	2	1	<1
Lead	ppm	ASTM D5185m	>50	<1	0	0
Copper	ppm	ASTM D5185m	>225	<1	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m	7.0	0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	100	107	102	97
Barium	ppm	ASTM D5185m	0	27	15	28
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m	10	0	0	<1
Magnesium	ppm	ASTM D5185m	0	<1	0	0
Calcium	ppm	ASTM D5185m	370	72	70	76
Phosphorus	ppm	ASTM D5185m	300	193	203	200
Zinc	ppm	ASTM D5185m	0	2	0	0
Sulfur	ppm	ASTM D5185m	1600	929	938	988
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	1	<1	<1
Sodium	ppm	ASTM D5185m		3	2	3
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>2500	367	2419	338
Particles >6µm		ASTM D7647	>640	128	<u> 1051</u>	155
Particles >14µm		ASTM D7647	>80	23	71	16
Particles >21µm		ASTM D7647	>20	7	11	4
Particles >38µm		ASTM D7647	>4	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>18/16/13	16/14/12	▲ 18/17/13	16/14/11
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g ASTM D8045

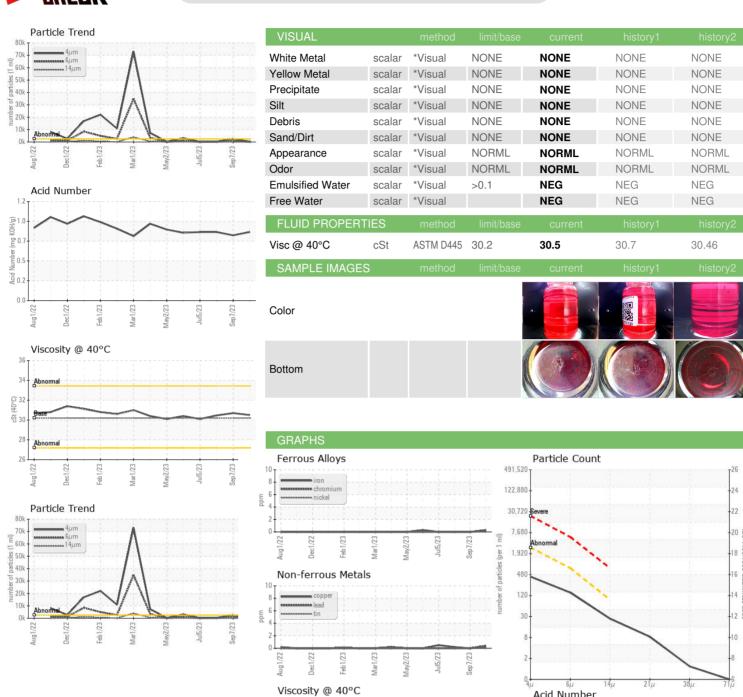
0.79

0.83

0.83



## OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

**Unique Number** Test Package : IND 2 ( Additional Tests: PrtCount )

: 05968915 : 10675466

cSt ( 28

26

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 04 Oct 2023 : WC0791125 Received

Diagnosed : 06 Oct 2023 Diagnostician : Don Baldridge

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)

**HAWE HYDRAULICS - HUNTERSVILLE** 

13020 JAMESBURG DR SUITE A HUNTERSVILLE, NC US 28078

Contact: Kristina Smith k.smith@hawe.com

> T: (704)927-5610 F: (704)509-6302

Acid Number

(B/H<sub>0</sub>) 1.0 ₽ 0.7 0.5 0.2

0.0 G

Sep7/23