

# **OIL ANALYSIS REPORT**

Oil Changed

Sample Status

Sample Rating Trend

**Filtered** 

**NORMAL** 

Filtered

**NORMAL** 



Filtered

ABNORMAL ATTENTION

Machine Id 24-057

Component **Hydraulic System** 

**BENZ OIL ULTRA GUARD 552 (300 GAL)** 

### Recommendation

No corrective action is recommended at this time. 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 acceptable for the time in service.

		Nov	łozz	Jul 2023 Sep 20	23	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0000306	PH0000239	PH0000215
Sample Date		Client Info		21 Sep 2023	12 Jul 2023	21 Nov 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		12124	11092	60

Client Info

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1	1	3
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	1	0
Aluminum	ppm	ASTM D5185m	>20	0	0	<1
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	2	<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
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		2	2	3
Calcium	ppm	ASTM D5185m		5	2	4
Phosphorus	ppm	ASTM D5185m		328	362	353
Zinc	ppm	ASTM D5185m		4	8	4
Sulfur	ppm	ASTM D5185m		1183	982	1248

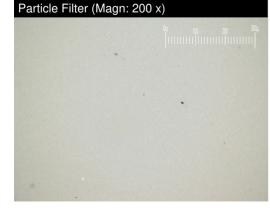
Silicon	ppm	ASTM D5185m	>15	2	2	1
Sodium	ppm	ASTM D5185m		<1	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	<1	3
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	700		<u>▲</u> 1815
Particles >6µm		ASTM D7647	>320	240		311
Particles >14µm		ASTM D7647	>80	31		44
Particles >21µm		ASTM D7647	>20	10		18
Particles >38um		ASTM D7647	>4	1		2

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Particles >21μm	ASTM D7647	>20	10		18
Particles >38μm	ASTM D7647	>4	1		2
Particles >71μm	ASTM D7647	>3	0		1
Oil Cleanliness	ISO 4406 (c)	>17/15/13	17/15/12		▲ 18/15/13
FLUID DEGRADATION	method	limit/base	current	history1	historv2

1.50

mg KOH/g ASTM D8045

Acid Number (AN)

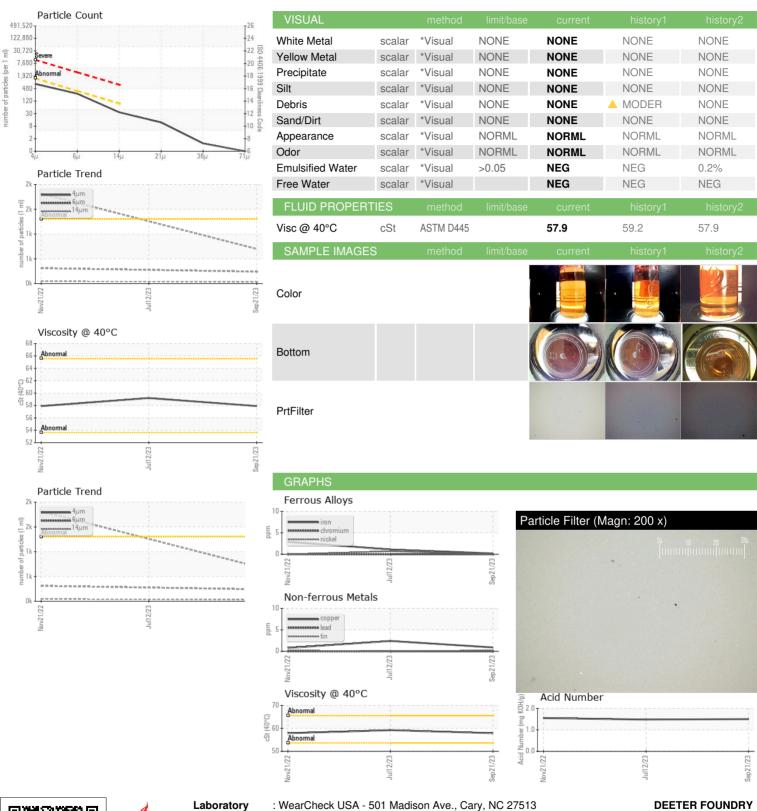


1.48

1.55



## **OIL ANALYSIS REPORT**







Certificate L2367

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

: PH0000306 : 05962212

: 10668763

Received Diagnosed

: 28 Sep 2023 Diagnostician : Doug Bogart

: 27 Sep 2023

Test Package : PLANT ( Additional Tests: PrtFilter ) 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) **DEETER FOUNDRY** 

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