

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



BACKYARD BUTCHER SHOP

Hydraulic System

WARREN TRACTOR FLUID (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

The iron level is abnormal. The aluminum level is abnormal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

OF						
SAMPLE INFORI	MATION	method	limit/base	Nov ² 023	hiotonyl	hioton/2
	VIATION		IIIIII/Dase	WC0843373	history1	history2
Sample Number Sample Date		Client Info		17 Nov 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed	1113	Client Info		N/A		
Sample Status		Oliciit iiilo		ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	△ 39		
Chromium Nickel	ppm	ASTM D5185m	>10	<1		
	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	10	0		
Aluminum	ppm	ASTM D5185m		<u>^</u> 32		
Lead	ppm	ASTM D5185m	>10	2 8		
Copper	ppm	ASTM D5185m	>75	-		
Tin Vanadium	ppm	ASTM D5185m	>10	<1 0		
Cadmium	ppm ppm	ASTM D5185m ASTM D5185m		<1		
ADDITIVES	la la	method	limit/base	current	history1	history2
			IIIIIIVDase			
Boron	ppm	ASTM D5185m		81		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		62		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		225		
Calcium	ppm	ASTM D5185m		2196		
Phosphorus	ppm	ASTM D5185m		835		
Zinc	ppm	ASTM D5185m		907		
Sulfur	ppm	ASTM D5185m		2843		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	13		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	4		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2

mg KOH/g ASTM D8045 Acid Number (AN)

FLUID DEGRADATION

Particles >4µm

Particles >6µm

Particles >14µm

Particles >21µm

Particles >38µm

Particles >71µm

Oil Cleanliness

ASTM D7647 >5000

ASTM D7647 >1300

ASTM D7647 >160

ASTM D7647 >40

ASTM D7647 >10

ASTM D7647 >3

ISO 4406 (c)

method

limit/base

current

219608

155015

11073

1185 8

1.77

1

>19/17/14 **25/24/21**

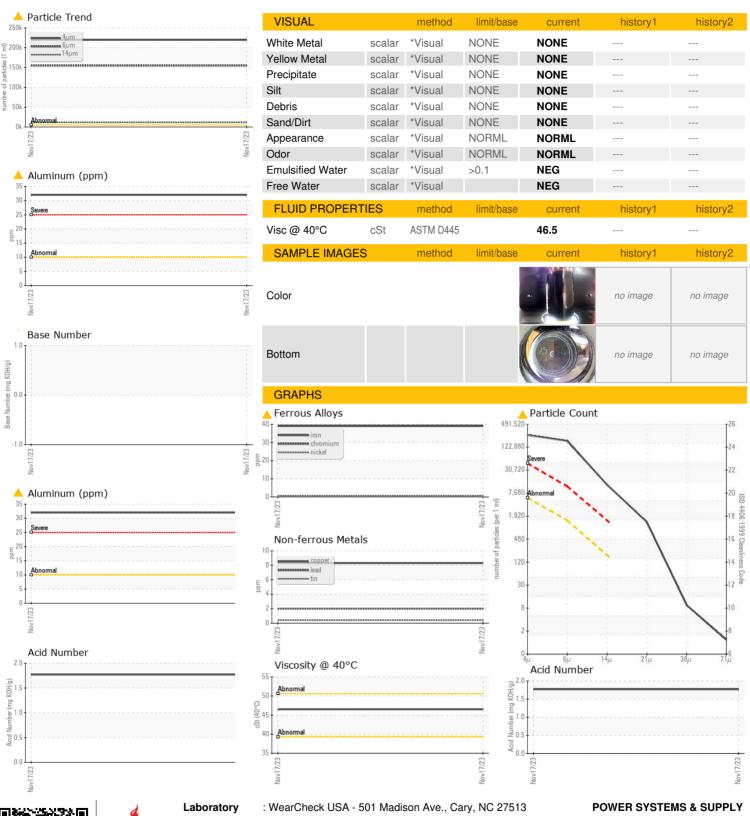
Contact/Location: MELVIN KING - POWWAV

history1

history2



OIL ANALYSIS REPORT







Sample No. Lab Number **Unique Number**

: WC0843373 : 06015020

Received Diagnosed : 10754164

: 22 Nov 2023 : 27 Nov 2023 Diagnostician : Jonathan Hester

Test Package : MOB 2 (Additional Tests: TBN) 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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