

### **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

Machine Id

# WESTERN STAR 5403 - REW

**Hydraulic System** 

AW HYDRAULIC OIL ISO 32 (--- GAL)

#### DIAGNOSIS

#### Recommendation

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm.

#### Wear

All component wear rates are normal.

#### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

	IALS						
				Jul2024			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
ample Number		Client Info		WC0911894			
ample Date		Client Info		14 Jul 2024			
lachine Age	yrs	Client Info		0			
Dil Age	yrs	Client Info		0			
Dil Changed		Client Info		Not Changd			
Sample Status				ABNORMAL			
CONTAMINATIO	ON	method	limit/base	current	history1	history2	
Vater		WC Method	>0.1	NEG			
WEAR METALS		method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185m	>20	14			
Chromium	ppm	ASTM D5185m	>10	<1			
lickel	ppm	ASTM D5185m	>10	<1			
itanium	ppm	ASTM D5185m		<1			
Silver	ppm	ASTM D5185m		0			
Aluminum	ppm	ASTM D5185m	>10	2			
ead	ppm	ASTM D5185m	>10	<1			
Copper	ppm	ASTM D5185m	>75	1			
în	ppm	ASTM D5185m	>10	<1			
/anadium	ppm	ASTM D5185m		0			
Cadmium	ppm	ASTM D5185m		<1			
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	5	0			
Barium	ppm	ASTM D5185m	5	0			
lolybdenum	ppm	ASTM D5185m	5	<1			
langanese	ppm	ASTM D5185m		<1			
lagnesium	ppm	ASTM D5185m	25	11			
Calcium	ppm	ASTM D5185m	200	66			
hosphorus	ppm	ASTM D5185m	300	256			
linc	ppm	ASTM D5185m	370	328			
Sulfur	ppm	ASTM D5185m	2500	2174			
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	2			
Sodium	ppm	ASTM D5185m		0			
Potassium	ppm	ASTM D5185m	>20	<1			
FLUID CLEANLI	NESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647	>5000	<b>12896</b>			
Particles >6µm		ASTM D7647	>1300	<u> </u>			
Particles >14μm		ASTM D7647	>160	<mark> </mark> 197			
Particles >21µm		ASTM D7647	>40	<mark> </mark> 57			
Particles >38µm		ASTM D7647	>10	3			
Particles >71μm		ASTM D7647		0			
Dil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 21/18/15			
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.32			

Report Id: PALTIF [WUSCAR] 06235861 (Generated: 07/16/2024 09:37:05) Rev: 1

Contact/Location: ERIC HILL - PALTIF Page 1 of 2



14 12

〒12k こ10k

umber of particles 8k

61

4k

21

0

14

10

6k

4 21 0

1.00

©0.80 Ê0.60

Ê 0.40

Pi 0.20

0.00

40

38

36

(Ĵ) 34

<del>ين</del> 32

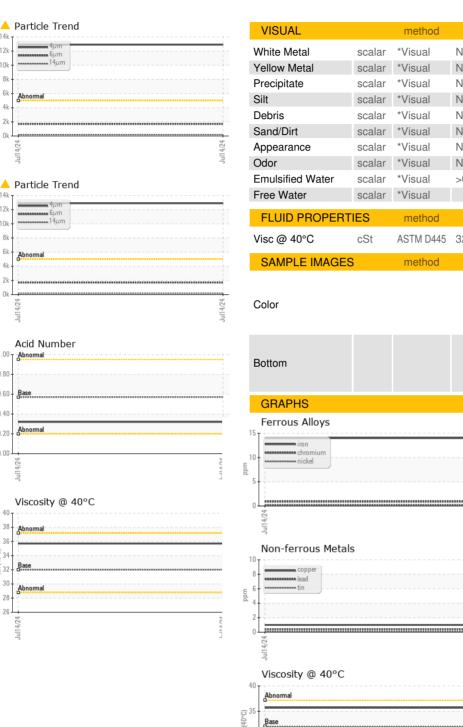
30

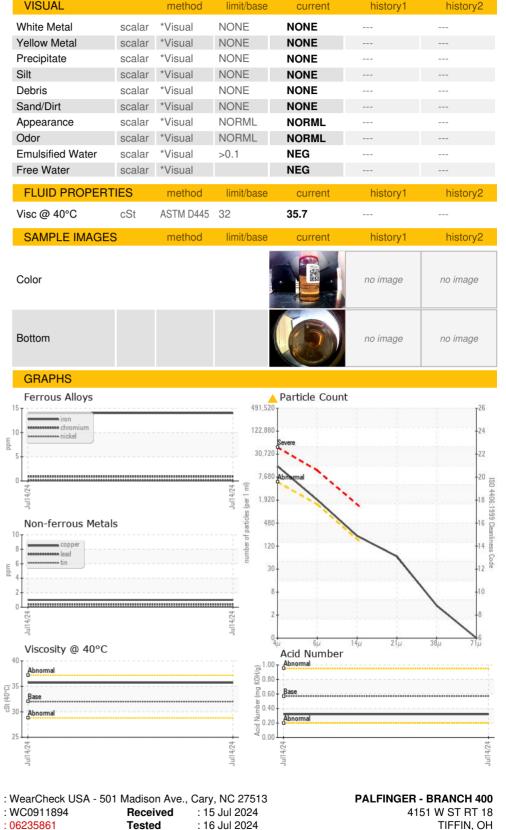
28 26

Ê 12k

umber of particles (1 8k

## **OIL ANALYSIS REPORT**





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

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Jul14/24

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Laboratory

Sample No.

Lab Number : 06235861

Unique Number : 11124695

Test Package : CONST

Abnorma

\* - 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)

Diagnosed

: 16 Jul 2024 - Wes Davis

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Certificate 12367

Contact/Location: ERIC HILL - PALTIF

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