

OIL ANALYSIS REPORT

Area WLC Machine to TST-STND-HPU-9881 (S/N Job1027407) Component

Hydraulic System

SHELL TELLUS S2 VX 32 (75)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

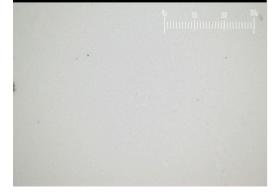
Contamination

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 suitable for further service.

Particle Filter (Magn: 200 x)



Sample Rating Trend



NORMAL

SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH0002074		
Sample Date		Client Info		10 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<1		
Tin	ppm	ASTM D5185m	>20	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		58		
Calcium	ppm	ASTM D5185m		10		
Phosphorus	ppm	ASTM D5185m		271		
Zinc	ppm	ASTM D5185m		302		
Sulfur	ppm	ASTM D5185m		833		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	1400		
Particles >6µm		ASTM D7647	>2500	304		
Particles >14µm		ASTM D7647	>320	17		
Particles >21µm		ASTM D7647	>80	4		
Particles >38µm		ASTM D7647	>20	1		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	18/15/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.34		
	- 5		0			

Report Id: WOOFORUS [WUSCAR] 06182773 (Generated: 05/29/2024 09:06:17) Rev: 2

Contact/Location: ADRIAN BAJCSI - WOOFORUS



491,520 122 88

Ê 30,720

number of particles (per 1

7 68

1.92 48

120

30

8

12 Ê¹⁰⁾

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6k 41

0k

38

36

3 (10°C) 34

> 28 26

12

of particles (1 ml)

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2

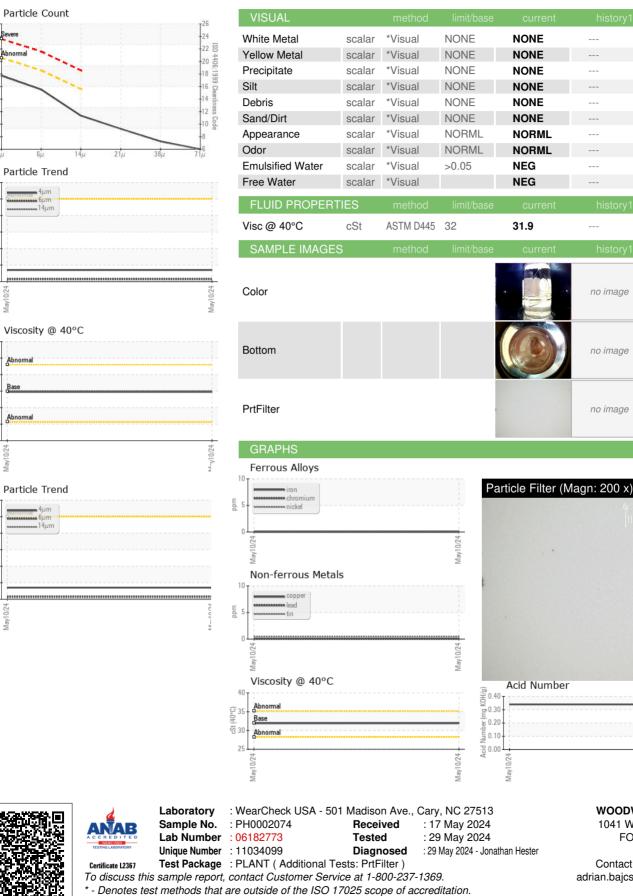
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Mav10/24

Mav1

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FORT COLLINS, CO US 80524 Contact: ADRIAN BAJCSI adrian.bajcsi@woodward.com T: (970)492-0779 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) E:

WOODWARD INC - WLC 1041 WOODWARD WAY

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