

PROBLEM SUMMARY

Sample Rating Trend



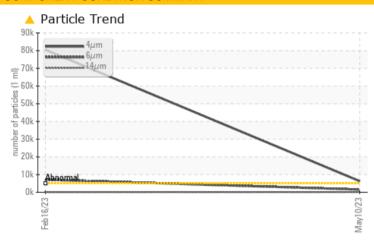


AVURE M1 HPU2

Component **Hydraulic System**

STARFIRE AW 32 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

PROBLEMATIC TEST RESULTS									
Sample Status			ATTENTION	ABNORMAL					
Particles >4µm	ASTM D7647	>5000	△ 6264	<u>▲</u> 80515					
Particles >6μm	ASTM D7647	>1300	1525	<u></u>					
Oil Cleanliness	ISO 4406 (c)	>19/17/14	20/18/14	A 24/20/13					

Customer Id: UNIDELOH **Sample No.:** WC0743763 Lab Number: 05854373 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Information Required			?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

HISTORICAL DIAGNOSIS

16 Feb 2023 Diag: Angela Borella



The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

T

Sample Rating Trend

ISO



AVURE M1 HPU2

Component

Hydraulic System

STARFIRE AW 32 (--- GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

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

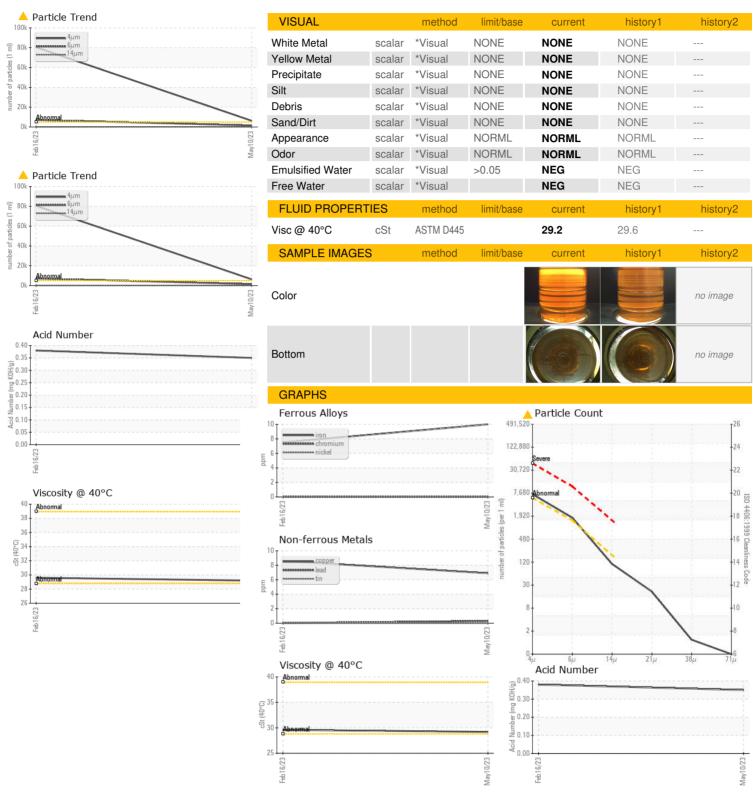
Fluid Condition

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

			Feb 2023	May2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0743763	WC0743766	
		Client Info		10 May 2023	16 Feb 2023	
Sample Date Machine Age	mths	Client Info		36	0	
Oil Age	mths	Client Info		3	0	
Oil Changed	1111113	Client Info		Not Changd	Not Changd	
Sample Status		Olletti IIIIO		ATTENTION	ABNORMAL	
WEAR METALS		usa sebbas al	lineit/lenene			
		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	10	8	
Chromium	ppm		>20	0	0	
Nickel	ppm	ASTM D5185m	>20	0	0	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m		0	<1	
Lead	ppm	ASTM D5185m	>20	<1	0	
Copper	ppm	ASTM D5185m	>20	7	9	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		<1	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		4	3	
Calcium	ppm	ASTM D5185m		52	11	
Phosphorus	ppm	ASTM D5185m		332	273	
Zinc	ppm	ASTM D5185m		291	284	
Sulfur	ppm	ASTM D5185m		1554	1038	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2	2	
Sodium	ppm	ASTM D5185m		5	2	
Potassium	ppm	ASTM D5185m	>20	<1	0	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ 6264	<u></u> 80515	
Particles >6µm		ASTM D7647	>1300	1525	<u></u>	
Particles >14µm		ASTM D7647	>160	95	52	
Particles >21µm		ASTM D7647		18	12	
Particles >38µm		ASTM D7647	>10	1	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 20/18/14	<u>△</u> 24/20/13	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.35	0.38	



OIL ANALYSIS REPORT





Certificate L2367

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

: 05854373 : 10483728

: WC0743763 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2023 Diagnosed : 24 May 2023 : Wes Davis Diagnostician

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)

Contact/Location: K BRONSON - UNIDELOH

UNIVERSAL PURE

1571 GRESSEL DR

Contact: K BRONSON

kbronson@universalpure.com

DELPHOS, OH

T: (419)551-6185

US 45833