

## **OIL ANALYSIS REPORT**

Sample Rating Trend

### VISCOSITY

# HURON

Component Hydraulic System

### MONARCH PREMIUM HYDRAULIC OIL AW R&O 46 (--- LTR)

#### 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

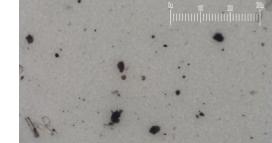
All component wear rates are normal.

#### Contamination

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

#### Fluid Condition

Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



Particle Filter (Magn: 100 x)

Report Id: SWICAM [WCAMIS] 02607035 (Generated: 01/10/2024 15:45:38) Rev: 1

Particles >21µm

Particles >38µm

Particles >71µm

**Oil Cleanliness** 

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0887249	WC0733018	
Sample Date		Client Info		04 Jan 2024	15 Jan 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Filtered	N/A	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	2	2	
	ppm	ASTM D5185(m)	>20	0	0	
	ppm	ASTM D5185(m)	>20	<1	0	
	ppm	ASTM D5185(m)		0	0	
	ppm	ASTM D5185(m)		0	0	
	ppm	ASTM D5185(m)	>20	<1	<1	
	ppm	ASTM D5185(m)	>20	1	1	
	ppm	ASTM D5185(m)	>20	30	29	
	ppm	ASTM D5185(m)	>20	0	0	
	ppm	ASTM D5185(m)		0	<1	
	ppm	ASTM D5185(m)		0	0	
	ppm	ASTM D5185(m)		0	0	
	ppm	ASTM D5185(m)		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		1	2	
	ppm	ASTM D5185(m)		0	0	
	ppm	ASTM D5185(m)		0	<1	
-	ppm	ASTM D5185(m)		0	0	
-	ppm	ASTM D5185(m)		3	3	
-	ppm	ASTM D5185(m)		81	94	
	ppm	ASTM D5185(m)		307	349	
	ppm	ASTM D5185(m)		367	381	
	ppm	ASTM D5185(m)		2884	2921	
	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	3	2	
	ppm	ASTM D5185(m)		1	1	
	ppm	ASTM D5185(m)	>20	<1	<1	
FLUID CLEANLINE		method	limit/base	current	history1	history2
		ASTM D7647	>5000		▲ 7675	
Particles >4μm Particles >6μm		ASTM D7647 ASTM D7647	>1300	4825 ▲ 1617	▲ 3140	
Particles >14µm		ASTM D7647	>160	159	<b>A</b> 338	

ASTM D7647 >40

ASTM D7647 >10

ASTM D7647 >3

ISO 4406 (c) >19/17/14 **19/18/14 2**20/19/16 ----Contact/Location: Sheldon Rier - SWICAM

**1**05

6

1

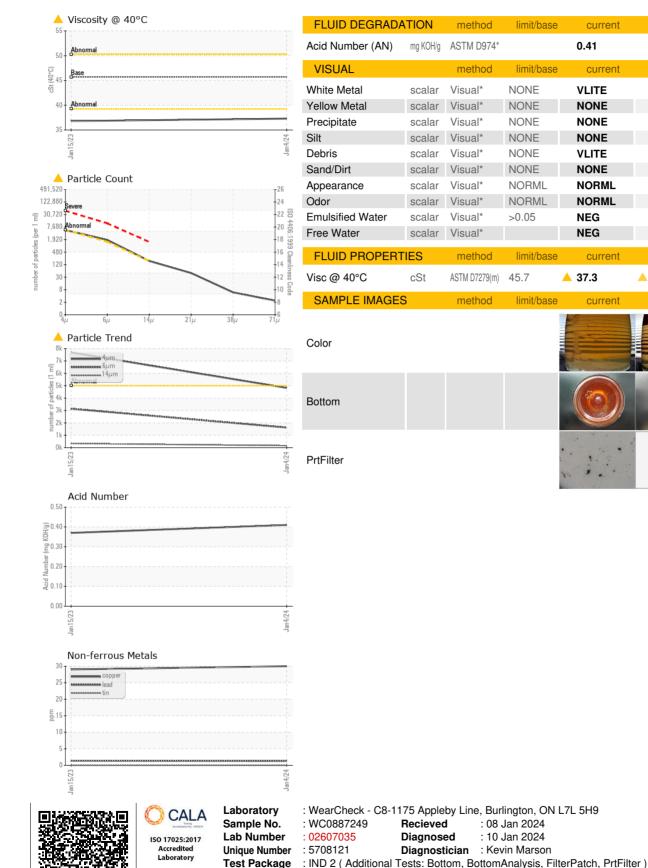
42

5

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## **OIL ANALYSIS REPORT**



SWIFT COMPONENTS 2-280 HOLIDAY INN DRIVE CAMBRIDGE, ON CA N3C 1Z4 Contact: Sheldon Rier sheldon@swift-co.com T: (519)740-3880 F: (519)620-1701

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

history1

history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history1

history

no image

NEG

NEG

▲ 36.8

0.37

current

current

current

current

history2

history2

history2

history2

no image

no image

no image