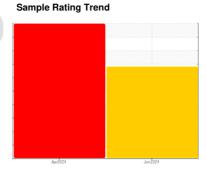


# **OIL ANALYSIS REPORT**

Machine Id **EX0354** 

Hydraulic System

**CASE CASE IH HY-TRAN ULTRA (240 LTR)** 





### DIAGNOSIS

#### Recommendation

The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Re-sampling is suggested to confirm test results prior to significant maintenance activities being performed. Please indicate that this is a resample on your Sample Information Form (SIF). ( Customer Sample Comment: Tank refill is 150)

### Wear

Iron ppm levels are severe. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

#### Contamination

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

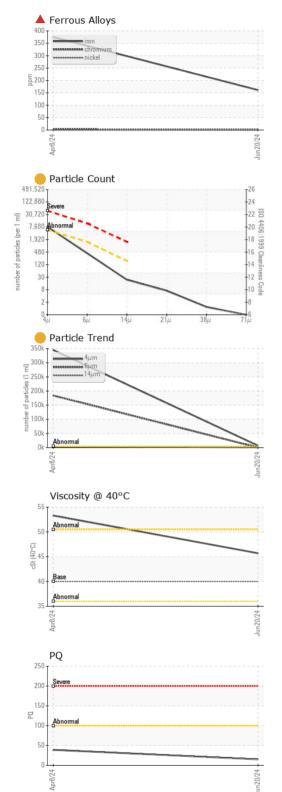
#### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

AN OLITIA (240	, = 111,		Αμίενετ	OUNEGET		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113437	GFL0092229	
Sample Date		Client Info		20 Jun 2024	08 Apr 2024	
Machine Age	hrs	Client Info		25281	24807	
Oil Age	hrs	Client Info		474	4000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				SEVERE	SEVERE	
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METAL	_S	method	limit/base	current	history1	history2
PQ		ASTM D8184*		15	39	
ron	ppm	ASTM D5185(m)	>65	<b>161</b>	<b>▲</b> 375	
Chromium	ppm	ASTM D5185(m)	>6	1	3	
Nickel	ppm	ASTM D5185(m)	>10	0	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		<1	0	
Aluminum	ppm	ASTM D5185(m)	>5	<1	<1	
Lead	ppm	ASTM D5185(m)	>45	0	0	
Copper	ppm	ASTM D5185(m)	>120	<1	<1	
Tin	ppm	ASTM D5185(m)	>4	0	0	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	5	
Barium	ppm	ASTM D5185(m)		0	0	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		3	8	
Magnesium	ppm	ASTM D5185(m)		5	11	
Calcium	ppm	ASTM D5185(m)		1100	2900	
Phosphorus	ppm	ASTM D5185(m)		459	282	
Zinc	ppm	ASTM D5185(m)	0.0	449	23	
Sulfur	ppm	ASTM D5185(m)		1504	1884	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	1	4	
Silicon Sodium	ppm	ASTM D5185(m) ASTM D5185(m)	>25	1	4	



## **OIL ANALYSIS REPORT**



FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6952	<b>▲</b> 344821	
Particles >6µm		ASTM D7647	>1300	374	<b>▲</b> 184032	
Particles >14µm		ASTM D7647	>160	20	▲ 3085	
Particles >21µm		ASTM D7647	>40	6	<b>△</b> 283	
Particles >38µm		ASTM D7647	>10	1	14	
Particles >71µm		ASTM D7647	>3	0	2	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/16/11</b>	<b>2</b> 6/25/19	
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Precipitate	scalar	Visual*	NONE	NONE	NONE	
Silt	scalar	Visual*	NONE	NONE	LIGHT	
Debris	scalar	Visual*	NONE	NONE	NONE	
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
Appearance	scalar	Visual*	NORML	NORML	NORML	
Odor	scalar	Visual*	NORML	NORML	NORML	
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	
Free Water	scalar	Visual*		NEG	NEG	
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	40	45.7	▲ 53.3	
SAMPLE IMAG	iES	method	limit/base	current	history1	history2
Color						no image
Bottom						no image





Laboratory Sample No.

Lab Number : 02644053 Unique Number : 5801592

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill : GFL0113437 Received

**Tested** : 25 Jun 2024 Diagnosed : 26 Jun 2024 - Kevin Marson

: 25 Jun 2024

Test Package : MOB 1 ( Additional Tests: PQ, PrtCount ) 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.

17125 Lafleche Road,

Contact: Charles Bergeron cbergeron@gflenv.com

Moose Creek, ON

T: (613)538-4853

CA K0C 1W0