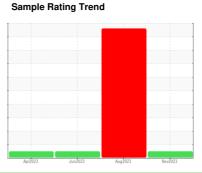


OIL ANALYSIS REPORT

[450228586] IH-65205 HPU FRAMO AUXILIARY

Auxiliary Hydraulic System

NOT GIVEN (--- GAL)





DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC	PC0062025	PC
Sample Date		Client Info		21 Nov 2023	04 Aug 2023	11 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	2	2	2
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>10	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>20	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>20	4	4	4
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	<1	1
Barium	ppm	ASTM D5185(m)		<1	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		<1	<1	<1
Calcium	ppm	ASTM D5185(m)		5	4	4
Phosphorus	ppm	ASTM D5185(m)		322	354	340
Zinc	ppm	ASTM D5185(m)		40	43	39
Sulfur	ppm	ASTM D5185(m)		3116	3201	3288
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1	<1	<1
Sodium	ppm	ASTM D5185(m)		<1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
FLUID CLEANI	INIECO	method	limit/base	current	history1	history2
FLUID GLEAN	LINESS	motriou		Ourront	/	,
Particles >4µm	LINESS	ASTM D7647	>5000	1928	62738	885
Particles >4μm	INLOG	ASTM D7647	>5000	1928	62738	885
Particles >4μm Particles >6μm		ASTM D7647 ASTM D7647	>5000 >1300	1928 533	6273827271	885 151
Particles >4μm Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647 ASTM D7647	>5000 >1300 >160	1928 533 33	62738272713560	885 151 10
Particles >4µm Particles >6µm Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>5000 >1300 >160 >40 >10	1928 533 33 5	627382727135601115	885 151 10 2

ISO 4406 (c) >19/17/14

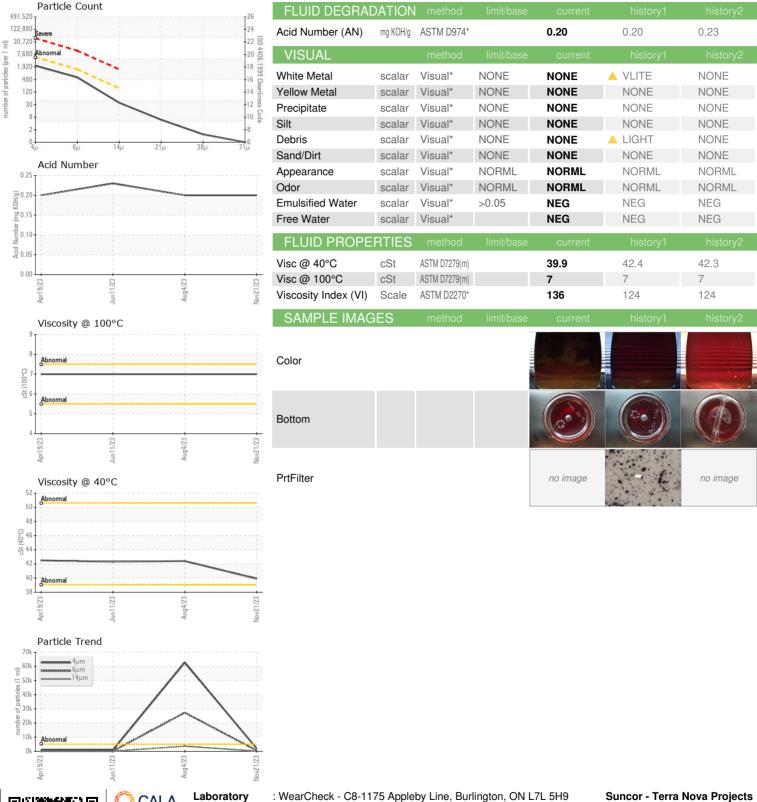
Oil Cleanliness

23/22/19

17/14/10



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

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

: PC : 02601572

Received : 5694657

Diagnosed : 08 Dec 2023 Diagnostician : Kevin Marson

: 07 Dec 2023

Test Package : MAR 2 (Additional Tests: KV100, VI) 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.

Suncor - Terra Nova Projects Scotia Centre, 235 Water Strret St. John's, NL

> CA A1C 1B6 Contact: Josh Hynes joshynes@suncor.com T: (709)778-3575

F: (709)724-2835