

Area

Turret [71133758]

Machine Id

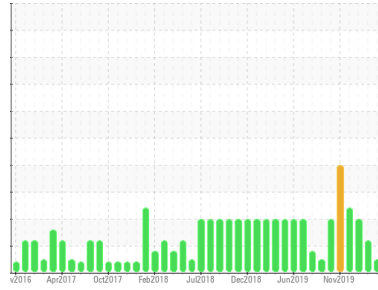
WHPU Supply Reservoir Recir Filter Supply (S/N Sample Tag CA-58603)

Component

Hydraulic System

Fluid

CASTROL TRANSAQUA HT (2250 LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. NOTE: Not enough sample submitted to perform particle count, therefore fluid cleanliness levels were not determined.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. There is no indication of any contamination in the component(unconfirmed).

Fluid Condition

The AN level is acceptable for this fluid. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable. The water concentration level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	PC	PC	PC
Sample Date	Client Info	08 Jun 2020	15 May 2020	27 Feb 2020
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	ABNORMAL	ABNORMAL

WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184*		0	65	57
Iron	ppm ASTM D5185(m)	>20	11	8	8
Chromium	ppm ASTM D5185(m)	>10	<1	<1	<1
Nickel	ppm ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm ASTM D5185(m)		<1	<1	<1
Silver	ppm ASTM D5185(m)		<1	<1	<1
Aluminum	ppm ASTM D5185(m)	>10	0	<1	<1
Lead	ppm ASTM D5185(m)	>20	15	8	▲ 14
Copper	ppm ASTM D5185(m)	>20	<1	<1	<1
Tin	ppm ASTM D5185(m)	>10	<1	2	<1
Antimony	ppm ASTM D5185(m)		0	0	<1
Vanadium	ppm ASTM D5185(m)		<1	<1	<1
Beryllium	ppm ASTM D5185(m)		0	0	0
Cadmium	ppm ASTM D5185(m)		<1	<1	<1

ADDITIVES method limit/base current history1 history2

Boron	ppm ASTM D5185(m)		196	166	203
Barium	ppm ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm ASTM D5185(m)		1	<1	7
Manganese	ppm ASTM D5185(m)		<1	<1	<1
Magnesium	ppm ASTM D5185(m)		1	2	2
Calcium	ppm ASTM D5185(m)		6	8	14
Phosphorus	ppm ASTM D5185(m)	145	140	120	189
Zinc	ppm ASTM D5185(m)		12	8	15
Sulfur	ppm ASTM D5185(m)		34	25	26
Lithium	ppm ASTM D5185(m)		<1	<1	<1

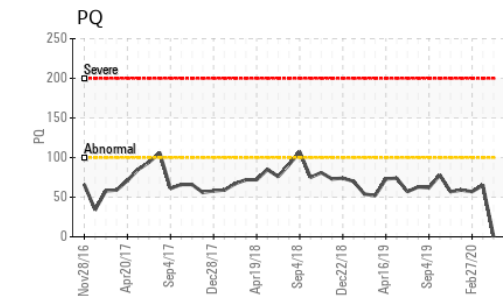
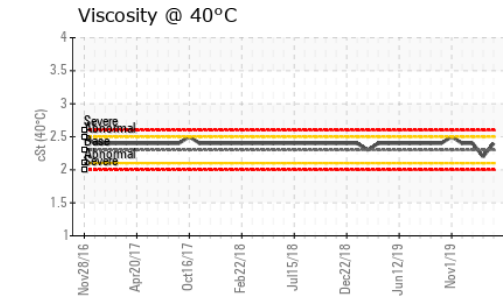
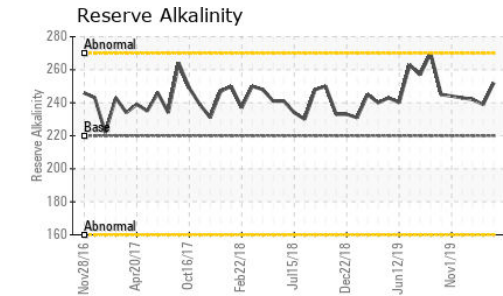
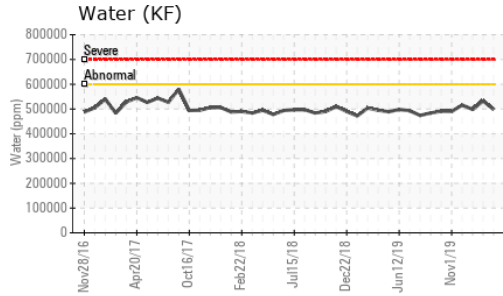
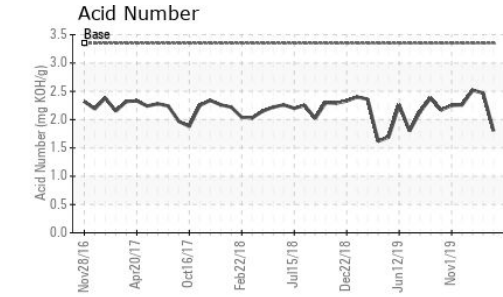
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm ASTM D5185(m)	>15	3	2	4
Sodium	ppm ASTM D5185(m)	>650	673	616	712
Potassium	ppm ASTM D5185(m)	>20	3	3	3
Water	% ASTM D6304*	>60	49.8	53.3	49.8
ppm Water	ppm ASTM D6304*	>600000	498000	533000	498000

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g ASTM D974*	3.35	1.80	2.47	2.52
Alkiline Reserve (Oils)	ml KOH/g ASTM D1121*	220	252	239	242

OIL ANALYSIS REPORT



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	NONE
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*	>60	>10%	>10%
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
pH	Scale 0-14	ASTM D1287*	8.58	8.55	8.51
Visc @ 40°C	cSt	ASTM D7279(m)	2.4	2.2	2.4
Visc @ 100°C	cSt	ASTM D7279(m)	---	---	0.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	
Bottom				no image	
PrtFilter			no image		



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : 02359392
Unique Number : 5058829
Test Package : MAR 2 (Additional Tests: KF, KV100, pH, PQ, ReserveAlk)

Received : 12 Jun 2020
Tested : 15 Jun 2020
Diagnosed : 15 Jun 2020 - Kevin Marson

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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.