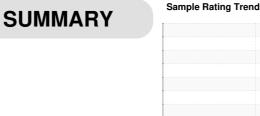
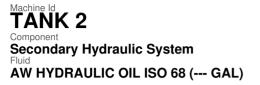
PROBLEM SUMMARY





COMPONENT CONDITION SUMMARY



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. We recommend you service the filters on this component. 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.

PROBLEMATIC TEST RESULTS

Sample Status		ATTENTION	
Particles >4µm	ASTM D7647 >5	5000 🔺 6904	
Particles >6µm	ASTM D7647 >1	1300 🔺 1369	
Oil Cleanliness	ISO 4406 (c) >1	9/17/14 🔺 20/18/13	

Customer Id: KAIRICVA Sample No.: WC0782207 Lab Number: 06001030 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

ISO

RECOMMENDED AG	CTIONS			
Action	Status	Date	Done By	Description
Change Filter			?	We recommend you service the filters on this component.
Alert			?	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.
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Secondary Hydraulic System AW HYDRAULIC OIL ISO 68 (--- GAL)

DIAGNOSIS

Machine Id TANK 2 Component

Fluid

A 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. We recommend you service the filters on this component. 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

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

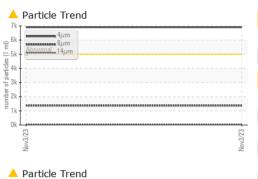
Fluid Condition

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

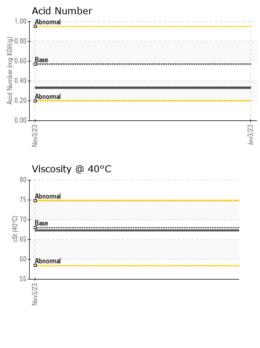
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0782207		
Sample Date		Client Info		03 Nov 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	<1		
Copper	ppm	ASTM D5185m	>20	5		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	5	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	25	49		
Calcium	ppm	ASTM D5185m	200	72		
Phosphorus	ppm	ASTM D5185m	300	386		
Zinc	ppm	ASTM D5185m	370	477		
Sulfur	ppm	ASTM D5185m	2500	1205		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0		
Nitration	Abs/cm	*ASTM D7624		1.9		
Sulfation	Abs/.1mm	*ASTM D7415		10.7		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6904		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	52		
Particles >21µm		ASTM D7647	>40	8		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 20/18/13		



OIL ANALYSIS REPORT







Nov3/23	Oxidation Acid Number (AN) VISUAL White Metal Yellow Metal Precipitate Silt Debris Occord/Dict	Abs/.1mm mg KOH/g scalar scalar scalar scalar	*ASTM D7414 ASTM D8045 method *Visual *Visual *Visual	limit/base NONE	1.9 0.33		
	VISUAL White Metal Yellow Metal Precipitate Silt Debris	scalar scalar scalar	method *Visual *Visual	limit/base NONE	0.33		
	White Metal Yellow Metal Precipitate Silt Debris	scalar scalar	*Visual *Visual	NONE			
	Yellow Metal Precipitate Silt Debris	scalar scalar	*Visual		current	history1	history
	Precipitate Silt Debris	scalar			NONE		
	Silt Debris		*Visual	NONE	NONE		
	Debris	scalar		NONE	NONE		
			*Visual	NONE	NONE		
		scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.05	NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPERT	FIES	method	limit/base	current	history1	history
	Visc @ 40°C	cSt	ASTM D445	68	67.3		
	SAMPLE IMAGES	S	method	limit/base	current	history1	history
	Color				•	no image	no image
	D. 11				1/2 A		
	Bottom					no image	no image
_	GRAPHS					no image	no image
	GRAPHS Ferrous Alloys				Particle Coun		
	GRAPHS Ferrous Alloys			491,520			no image
bm	GRAPHS Ferrous Alloys			491,520	Severe		no image
	GRAPHS Ferrous Alloys			491,520	Severe		
	GRAPHS Ferrous Alloys			491,520 122,880 30,720	Severe		
	GRAPHS Ferrous Alloys			491,520 122,880 30,720	Severe		
	GRAPHS Ferrous Alloys	s		491,520 122,880 30,720	Severe		
bpm	GRAPHS Ferrous Alloys	ls		491,520 122,880 30,720	Severe		
bpm	GRAPHS Ferrous Alloys	s		491.520 122.880 30.720 E 7.680 CCCC 4 1.920 30,720 1.920 480 480 480 120 120	Severe		
bm	GRAPHS Ferrous Alloys	ls		491,520 122,880 30,720 T 7,680 50 50 50 50 50 50 50 50 50 50 50 50 50	Severe		
шdd	GRAPHS Ferrous Alloys	ls		491.520 122,880 30,720 E 7.680 E 7.680 Soperation 1.920 Soperation 1.920 S	Severe		
bm	GRAPHS Ferrous Alloys	s		491.520 122,880 30,720 E 7.680 E 7.680 Soperation 1.920 Soperation 1.920 S	Severe		
bm	GRAPHS Ferrous Alloys	s		491.520 122.880 30.720 Te 7.680 500 500 500 500 500 500 500 500 500 5	Severe		по image
bpm ppm	GRAPHS Ferrous Alloys	ls		491.520 122.880 30.720 (E 7.680 2000) (E 7.680 (E 7.680 (E 7.680 (E 7.680) (E 7.680) (Abnormal	t 14µ 21µ	
mqq mqq	GRAPHS Ferrous Alloys	ls		491.520 122.880 30.720 (E 7.680 2000) (E 7.680 (E 7.680 (E 7.680 (E 7.680) (E 7.680) (Abnormal	t 14µ 21µ	
bpm mqq	GRAPHS Ferrous Alloys	ls		491.520 122.880 30.720 (E 7.680 2000) (E 7.680 (E 7.680 (E 7.680 (E 7.680) (E 7.680) (Abnormal	t 14µ 21µ	
cSt (40°C) ppm	GRAPHS Ferrous Alloys	S		491.520 122.880 30.720 (E 7.680 2000) (E 7.680 (E 7.680 (E 7.680 (E 7.680) (E 7.680) (Abnormal	t 14µ 21µ	no image
cSt (40°C) ppm ppm	GRAPHS Ferrous Alloys	S		491.520 122.880 30.720 (m 7.680 520000 52000 5000000	Abnormal	t 14µ 21µ	

To discuss this sample report * - 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)

Certificate L2367

5

F:

T: (804)743-6485