

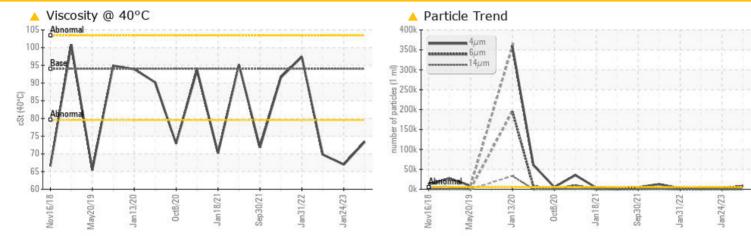
PROBLEM SUMMARY

PRESS 6 OUTSIDE

Component Hydraulic System Fluid TEXACO RANDO OIL HD 100 (--- GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status				ATTENTION	ATTENTION	ATTENTION	
Particles >4µm		ASTM D7647	>5000	<u> </u>	2388	1491	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 20/17/11	18/16/12	18/15/11	
Visc @ 40°C	cSt	ASTM D445	94	A 73.4	▲ 67.0	▲ 69.79	

Customer Id: KAIRICVA Sample No.: WC0782211 Lab Number: 06001020 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

24 Jan 2023 Diag: Jonathan Hester



24 Juli 2020 Diag. Jonathan neste



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.



06 Apr 2022 Diag: Doug Bogart

31 Jan 2022 Diag: Angela Borella

is suitable for further service.

VISCOSITY



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

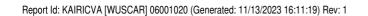


NODUAL



Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil







OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Machine Id **PRESS 6 OUTSIDE** Component

Hydraulic System Fluid TEXACO RANDO OIL HD 100 (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

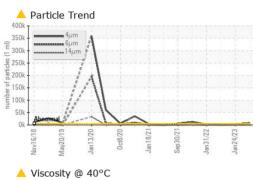
Fluid Condition

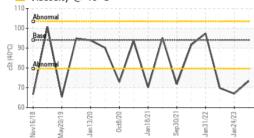
The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

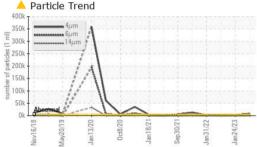
SAMPLE INFORM	1A LION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0782211	WC0555699	WC0629261
Sample Date		Client Info		03 Nov 2023	24 Jan 2023	06 Apr 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1	6	<1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>20	0	<1	0
Lead	ppm	ASTM D5185m	>20	<1	8	<1
Copper	ppm	ASTM D5185m	>20	4	9	2
Tin	ppm	ASTM D5185m	>20	0	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.2	0	0	1
Barium	ppm	ASTM D5185m	0	0	1	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	0	103	53	127
Calcium	ppm	ASTM D5185m	49	83	76	93
Phosphorus	ppm	ASTM D5185m	247	404	430	462
Zinc	ppm	ASTM D5185m	323	488	511	559
Sulfur	ppm	ASTM D5185m	4717	1231	1253	1409
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	<1	0
Sodium	ppm	ASTM D5185m		3	0	<1
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624		2.0	2.6	2.5
Sulfation	Abs/.1mm	*ASTM D7415		10.1	10.1	10.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	A 8168	2388	1491
Particles >6µm		ASTM D7647	>1300	823	490	237
Particles >14µm		ASTM D7647	>160	17	27	18
Particles >21µm		ASTM D7647	>40	4	7	6
Particles >38µm		ASTM D7647	>10	0	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	18/16/12	18/15/11
:11:19) Rev: 1					Submitted	By: Yong Quan
						Page 3 of 4



OIL ANALYSIS REPORT



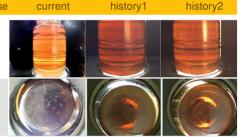


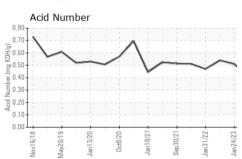


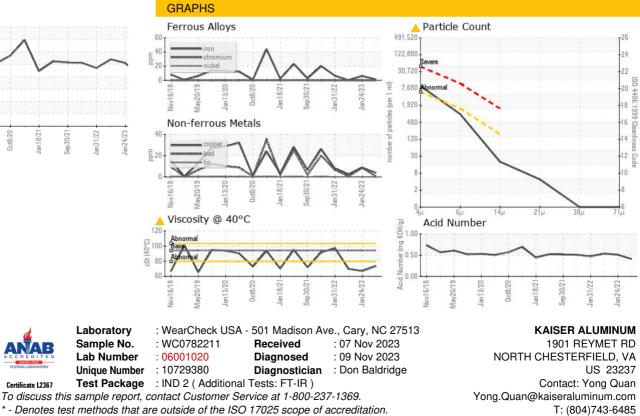
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		1.7	2.0	1.8
Acid Number (AN)	mg KOH/g	ASTM D8045		0.41	0.51	0.54
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	94	^ 73.4	67.0	▲ 69.79
SAMPLE IMAGES	6	method	limit/base	current	history1	history2

Color









* - 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)

Report Id: KAIRICVA [WUSCAR] 06001020 (Generated: 11/13/2023 16:11:20) Rev: 1

Certificate L2367

Laboratory

Submitted By: Yong Quan

Page 4 of 4

F: