

OIL ANALYSIS REPORT

Area **IBACO** [CONHER] **IBACO** BM COZAR IX Component

Transmission (Manual) Fluid RALOY SAE 50 (60 LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: Fluid: Raloy SAE 50)

Wear

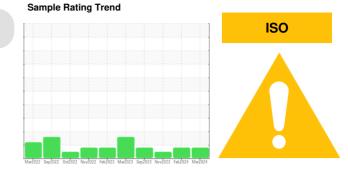
All component wear rates are normal.

Contamination

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

Fluid Condition

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



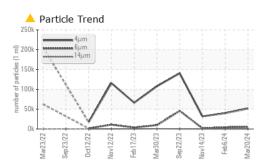
SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info		KL0014198	KI 0014156	KL0013428
Sample Date		Client Info		20 Mar 2024	06 Feb 2024	14 Nov 2023
Machine Age	hrs	Client Info		20 Mai 2024	12106	11466
Oil Age	hrs	Client Info		225	1500	860
Oil Changed	1115	Client Info		Not Changd	Changed	Not Changd
Sample Status		Cilent Inio		ABNORMAL	ATTENTION	NORMAL
						-
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	14	13	5
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	18	16	<1
Lead	ppm	ASTM D5185m	>45	5	5	6
Copper	ppm	ASTM D5185m	>225	39	32	32
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	3	0
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		13	12	8
Calcium	ppm	ASTM D5185m		3352	3051	3177
Phosphorus	ppm	ASTM D5185m		1047	904	1008
Zinc	ppm	ASTM D5185m		838	759	822
Sulfur	ppm	ASTM D5185m		7262	5488	6238
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	57	50	7
Sodium	ppm	ASTM D5185m		18	15	12
Potassium	ppm	ASTM D5185m	>20	<1	0	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		51531	39805	31696
Particles >6µm		ASTM D7647	>2500	<u> </u>	4329	1752
Particles >14µm		ASTM D7647	>320	50	75	45
Particles >21µm		ASTM D7647	>80	6	15	6
Particles >38µm		ASTM D7647	>20	1	3	0
Particles >71µm		ASTM D7647	>4	0	2	0
Oil Cleanliness		ISO 4406 (c)	>18/15	A 20/13	9/13	18/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.81	0.77	0.86
:08:59) Bev: 1	0 - 0	Submitted By: EDUARDO GARCIA				

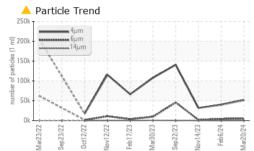
Report Id: CONHERKL [WUSCAR] 06153079 (Generated: 04/22/2024 17:08:59) Rev: 1

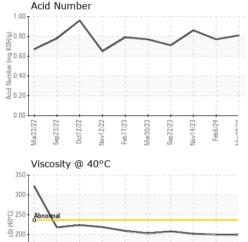
Submitted By: EDUARDO GARCIA



OIL ANALYSIS REPORT







Feb17/23 Mar30/23

Jov12/22

150 Abn

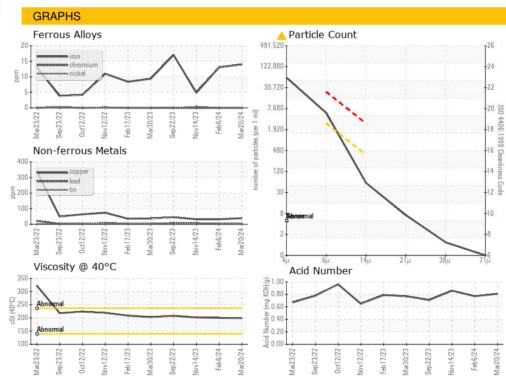
100

Mar23/22

0ct12/22

Sen 23/22

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	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	LIGHT	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	>0.1	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		199	200	202
Visc @ 40°C SAMPLE IMAGES			limit/base			
-		ASTM D445	limit/base	199	200	202



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 CONOR JUAREZ 348 Sample No. : KL0014198 Received : 18 Apr 2024 Lab Number : 06153079 Tested : 19 Apr 2024 HERMOSILLO, : 22 Apr 2024 - Angela Borella Unique Number : 10983157 Diagnosed MX 83140 Test Package : MOB 2 (Additional Tests: PrtCount) Contact: EDUARDO GARCIA Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. egarcia.comsa@gmail.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (526)622-1581 x:81 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: x:

Feb6/24.

Sep22/23

Jov14/23

Submitted By: EDUARDO GARCIA

Page 2 of 2