

OIL ANALYSIS REPORT

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

CONTAMINATION

Oil Age

Fuel

Water

GUAY SON [CONHER] IBACO ARCENIO VICENTE AUX-1

Diesel Engine Fluic **RALOY 15W40 (8 LTR)**

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Fluid: Raloy 15W40)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



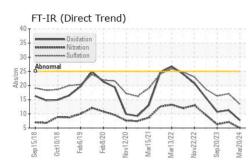
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	8	48	28
Chromium	ppm	ASTM D5185m	>20	<1	<1	4
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	2	6
Lead	ppm	ASTM D5185m	>40	<1	0	4
Copper	ppm	ASTM D5185m	>330	1	2	14
Tin	ppm	ASTM D5185m	>15	<1	0	2
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0

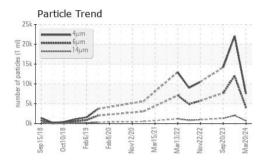
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	97	125
Barium	ppm	ASTM D5185m		<1	1	0
Molybdenum	ppm	ASTM D5185m		0	18	40
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		7	89	181
Calcium	ppm	ASTM D5185m		2739	2277	2399
Phosphorus	ppm	ASTM D5185m		1135	1021	1095
Zinc	ppm	ASTM D5185m		1332	1261	1379
Sulfur	ppm	ASTM D5185m		3980	3213	3536
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	17	11	1 70
Sodium	ppm	ASTM D5185m		0	7	4
Potassium	ppm	ASTM D5185m	>20	2	4	2

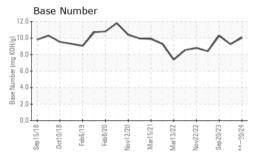
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.4	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.0	7.1	6.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	13.4	17.1	16.3

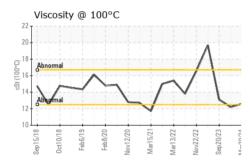


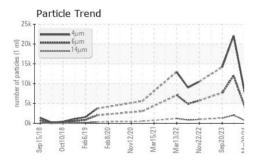
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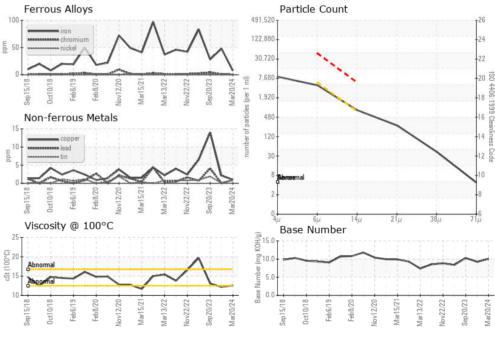








FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		7543	22071	14154
Particles >6µm		ASTM D7647	>5000	4109	1 2023	7711
Particles >14µm		ASTM D7647	>640	699	A 2046	🔺 1312
Particles >21µm		ASTM D7647	>160	236	<u> </u>	4 42
Particles >38µm		ASTM D7647	>40	36	1 06	68
Particles >71µm		ASTM D7647	>10	4	 11	7
Oil Cleanliness		ISO 4406 (c)	>19/16	19/17	1 /18	2 0/18
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	7.7	11.3	10.7
Base Number (BN)	mg KOH/g	ASTM D2896		10.05	9.25	10.29
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	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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445		12.6	12.2	13.1
GRAPHS						
Company Allows				D-H-I-C-		



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 CONOR JUAREZ 348 Sample No. : KL0014173 Received : 18 Apr 2024 Lab Number : 06153283 Tested : 22 Apr 2024 HERMOSILLO, Unique Number : 10983361 Diagnosed : 22 Apr 2024 - Sean Felton 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:

Report Id: CONHERKL [WUSCAR] 06153283 (Generated: 04/22/2024 15:36:22) Rev: 1

Submitted By: EDUARDO GARCIA

Page 2 of 2