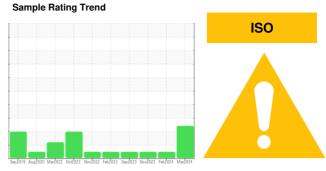


OIL ANALYSIS REPORT

GUAY SON [CONHER] **IBACO BM CACHOS**

Bottom Auxiliary Engine

RALOY 15W40 (8 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 15W40)

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

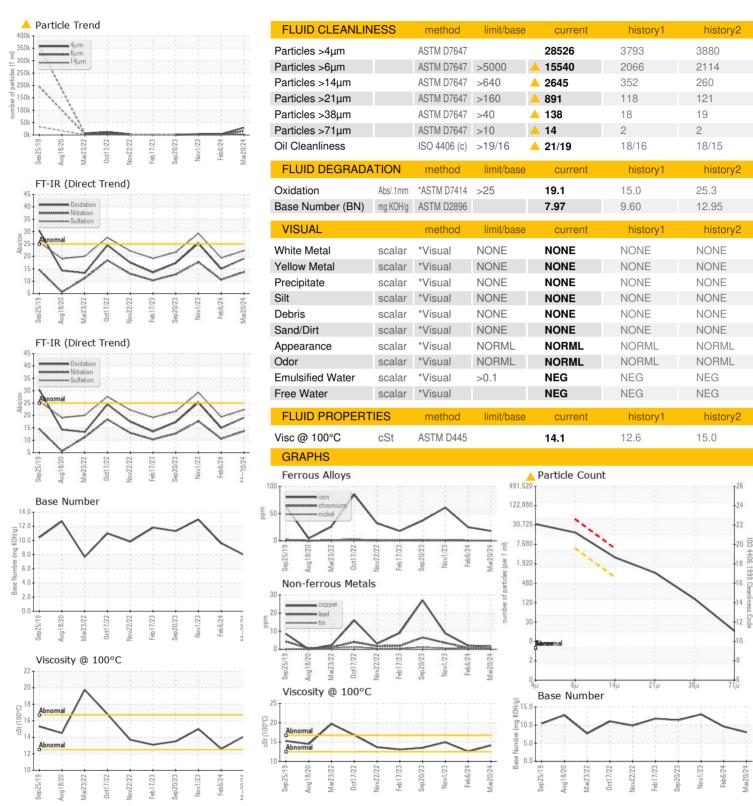
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0014176	KL0014145	KL0013352
Sample Date		Client Info		20 Mar 2024	06 Feb 2024	01 Nov 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	144	633
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	18	25	61
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>2	0	0	1
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	8
Lead	ppm	ASTM D5185m	>40	<1	<1	4
Copper	ppm	ASTM D5185m	>330	2	2	9
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		5	6	7
Calcium	ppm	ASTM D5185m		3034	2723	3977
Phosphorus	ppm	ASTM D5185m		1106	1094	1455
Zinc	ppm	ASTM D5185m		1302	1307	1905
Sulfur	ppm	ASTM D5185m		4389	2780	3821
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	11	11	13
Sodium	ppm	ASTM D5185m		<1	<1	2
Potassium	ppm	ASTM D5185m	>20	1	2	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	1.3
3001 /6						
Nitration	Abs/cm	*ASTM D7624	>20	13.7	10.6	17.7



OIL ANALYSIS REPORT







Sample No. Lab Number

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

: KL0014176 : 06153290

Unique Number: 10983368 Test Package : MOB 2 (Additional Tests: PrtCount)

Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

Received

Diagnosed

Tested

: 18 Apr 2024

: 23 Apr 2024

: 23 Apr 2024 - Don Baldridge

CONOR JUAREZ 348 HERMOSILLO, MX 83140

Contact: EDUARDO GARCIA egarcia.comsa@gmail.com

T: (526)622-1581 x:81 F: x: