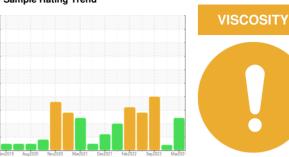


OIL ANALYSIS REPORT

Sample Rating Trend



IBACO [CONHER] Machine la COZAR I Component

Bottom Diesel Engine

RALOY 15W40 (160 LTR)

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Recommendation

No corrective action is recommended at this time. 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 moderate amount of particulates present in the oil. Fuel content negligible.

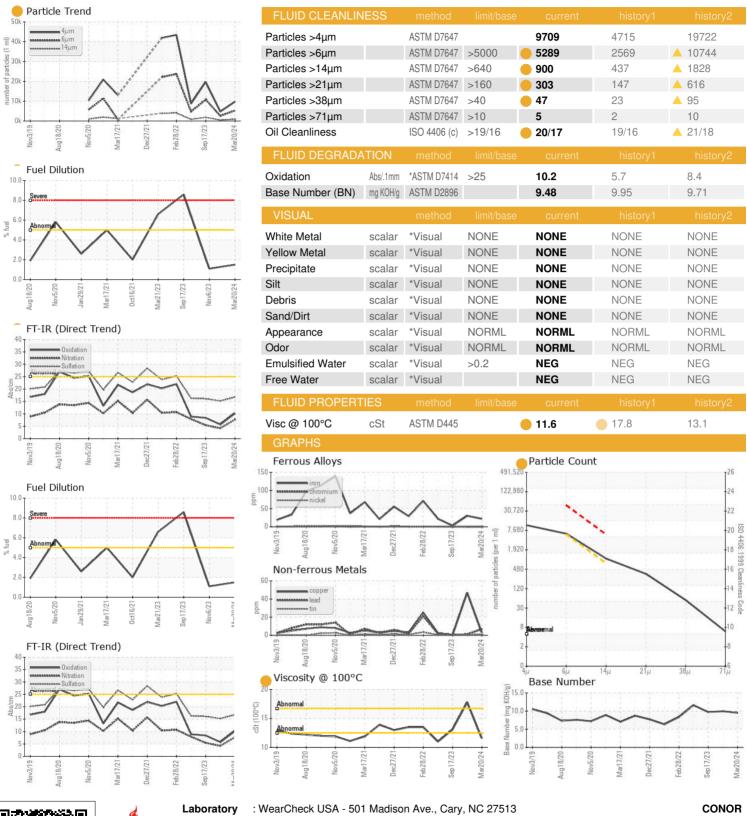
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

		8072010 7109	2020 H012020 H1820			
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0014190	KL0013369	KL0012789
Sample Date		Client Info		20 Mar 2024	06 Nov 2023	17 Sep 2023
Machine Age	hrs	Client Info		0	16750	16025
Oil Age	hrs	Client Info		0	280	15
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ATTENTION	ATTENTION	SEVERE
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	22	30	3
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	<1
Lead	ppm	ASTM D5185m	>40	7	1	<1
Copper	ppm	ASTM D5185m	>330	3	47	<1
Tin	ppm	ASTM D5185m	>15	1	<1	<1
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		<1	0	28
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	0	8
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		12	0	43
Calcium	ppm	ASTM D5185m		2878	3233	2727
Phosphorus	ppm	ASTM D5185m		1209	936	1133
Zinc	ppm	ASTM D5185m		1391	809	1373
Sulfur	ppm	ASTM D5185m		4112	6199	4586
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12	8	6
Sodium	ppm	ASTM D5185m		25	2	<1
Potassium	ppm	ASTM D5185m	>20	4	0	6
Fuel	%	ASTM D3524	>5	1.5	1.1	▲ 8.6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0	0
Nitration	Abs/cm	*ASTM D7624	>20	7.7	4.2	5.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.7	15.2	16.1



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number

: KL0014190 : 06153320 Unique Number: 10983398

Received : 18 Apr 2024 **Tested** : 23 Apr 2024

Diagnosed : 23 Apr 2024 - Jonathan Hester Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel, PrtCount)

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)

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MX 83140

HERMOSILLO,