

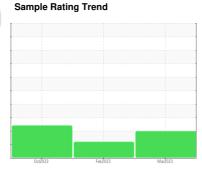
# **OIL ANALYSIS REPORT**

# GUAY SON [CONHER] Machine Id PERKINS Cozar IX AUX IBACO

Component

**Diesel Engine** 

**Diesel Engine Oil (9 LTR)** 





## DIAGNOSIS

## 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 particulates present in the oil.

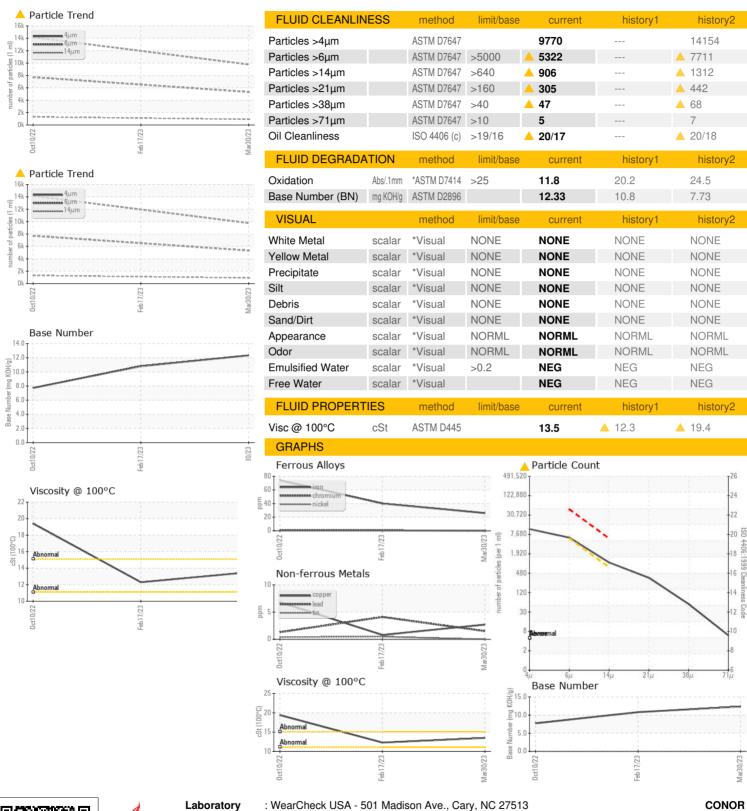
## **Fluid Condition**

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	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0011406	KL0010229	KL0010150
Sample Date		Client Info		30 Mar 2023	17 Feb 2023	10 Oct 2022
Machine Age	hrs	Client Info		11354	0	8120
Oil Age	hrs	Client Info		80	0	120
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<b>4.9</b>	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>250	26	40	74
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>35	<1	<1	3
Lead	ppm	ASTM D5185m	>100	2	4	1
Copper	ppm	ASTM D5185m	>60	3	<1	7
Tin	ppm	ASTM D5185m	>5	0	<1	<1
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	0	74
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	3	62
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		9	7	216
Calcium	ppm	ASTM D5185m		3441	3109	2685
Phosphorus	ppm	ASTM D5185m		1154	1209	881
Zinc	ppm	ASTM D5185m		1408	1414	1046
Sulfur	ppm	ASTM D5185m		4259	4084	5850
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	9	9	10
Sodium	ppm	ASTM D5185m		0	2	25
Potassium	ppm	ASTM D5185m	>20	2	<1	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	8.0	0.3	2.8
Nitration	Abs/cm	*ASTM D7624	>20	9.8	11.8	13.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8	21.3	30.4



# OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number **Unique Number** 

: KL0011406 : 05821120

Received : 10429203

Diagnosed : 19 Apr 2023 Diagnostician

: MOB 2 ( Additional Tests: PrtCount )

: 14 Apr 2023 : Jonathan Hester

MX 83140 Contact: EDUARDO GARCIA egarcia.comsa@gmail.com T: (526)622-1581 x:81

Test Package Certificate L2367 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)

F: x:

JUAREZ 348

HERMOSILLO.