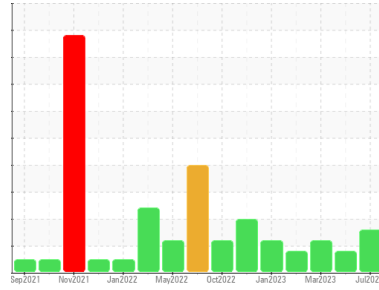




PROBLEM SUMMARY

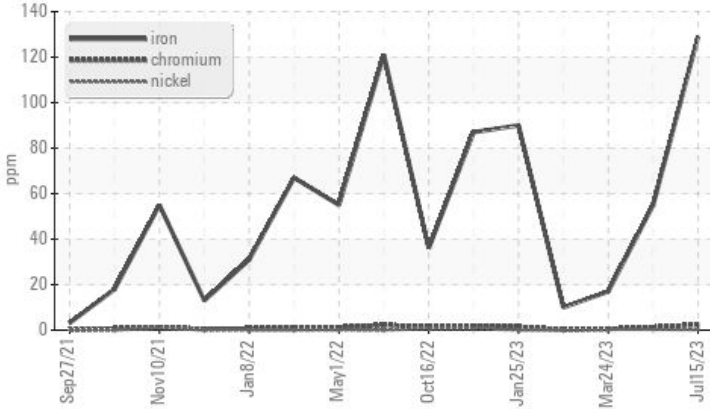
Sample Rating Trend



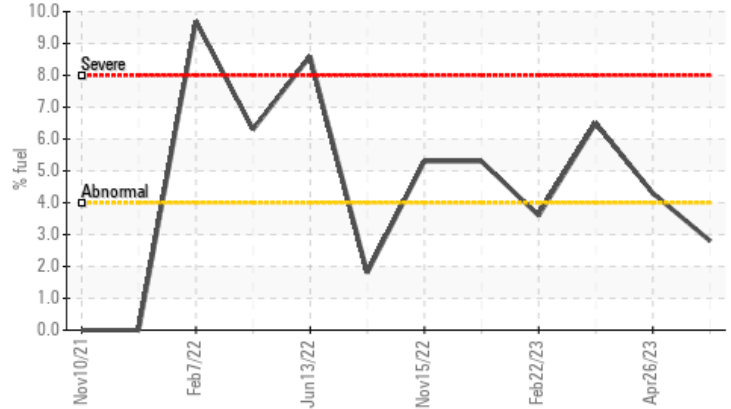
Area
GUAY SON/Yavaros [CONHER]
 Machine Id
Pacifico Ind Azteca Aux1
 Component
Center Left Auxiliary Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (25 LTR)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



▲ Fuel Dilution



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m >100	▲ 129	55	17
Fuel	%	ASTM D3524 >4.0	▲ 2.8	▲ 4.3	▲ 6.5

Customer Id: CONHERKL
 Sample No.: KL0012269
 Lab Number: 05904830
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

26 Apr 2023 Diag: Angela Borella

FUEL



We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. 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.

view report



24 Mar 2023 Diag: Doug Bogart

FUEL



We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

view report



22 Feb 2023 Diag: Doug Bogart

FUEL



We advise that you check the fuel injection system. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of fuel present in the oil. 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.

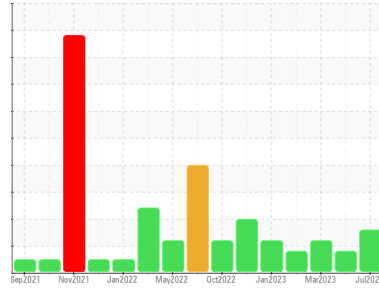
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
GUAY SON/Yavaros [CONHER]
 Machine Id
Pacifico Ind Azteca Aux1

Component
Center Left Auxiliary Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (25 LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	KL0012269	KL0012235	KL0010266
Sample Date	Client Info	15 Jul 2023	26 Apr 2023	24 Mar 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	220	419
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Glycol	WC Method	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >100	▲ 129	55	17
Chromium	ppm	ASTM D5185m >20	2	1	<1
Nickel	ppm	ASTM D5185m >2	<1	<1	<1
Titanium	ppm	ASTM D5185m >2	<1	<1	0
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >20	4	3	2
Lead	ppm	ASTM D5185m >40	37	18	5
Copper	ppm	ASTM D5185m >330	60	46	39
Tin	ppm	ASTM D5185m >15	2	2	1
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	137	169	350
Barium	ppm	ASTM D5185m	<1	0	<1
Molybdenum	ppm	ASTM D5185m	136	114	102
Manganese	ppm	ASTM D5185m	2	<1	<1
Magnesium	ppm	ASTM D5185m	757	604	483
Calcium	ppm	ASTM D5185m	1843	1527	1404
Phosphorus	ppm	ASTM D5185m 1360	835	745	814
Zinc	ppm	ASTM D5185m 1480	1080	975	1027
Sulfur	ppm	ASTM D5185m	3149	2731	2576

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >25	11	8	6
Sodium	ppm	ASTM D5185m	25	10	5
Potassium	ppm	ASTM D5185m >20	1	3	<1
Fuel	%	ASTM D3524 >4.0	▲ 2.8	▲ 4.3	▲ 6.5

INFRA-RED

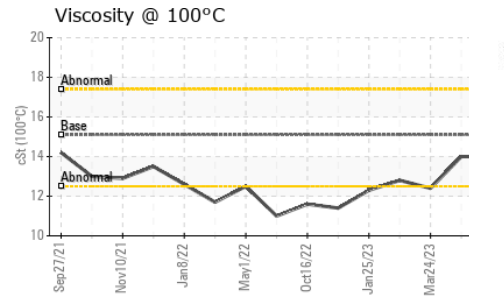
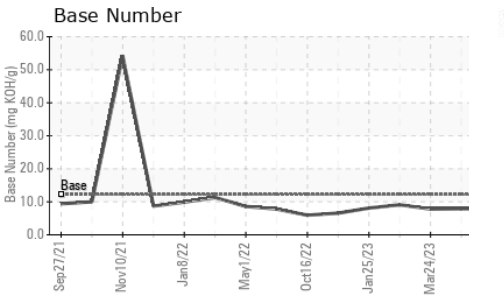
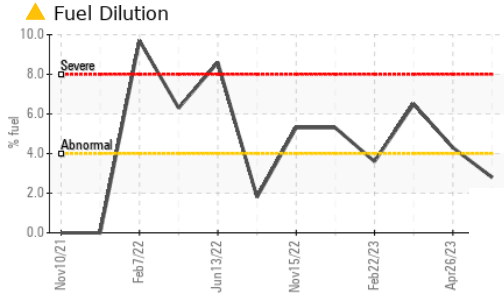
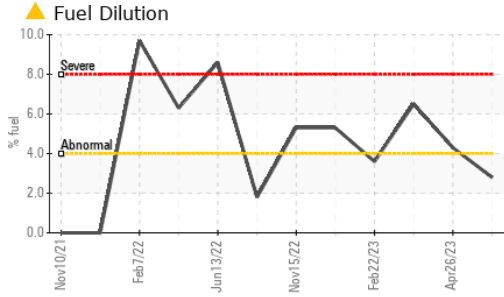
method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	1.3	1.3	0.3
Nitration	Abs/cm	*ASTM D7624 >20	14.3	12.5	9.4
Sulfation	Abs/.1mm	*ASTM D7415 >30	29.7	28.5	23.6

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414 >25	29.0	26.8	20.1
Base Number (BN)	mg KOH/g	ASTM D2896 12.2	7.8	7.9	7.8



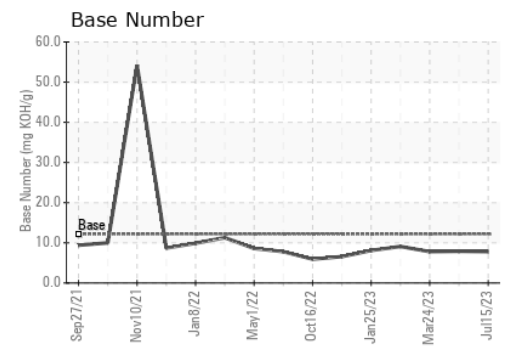
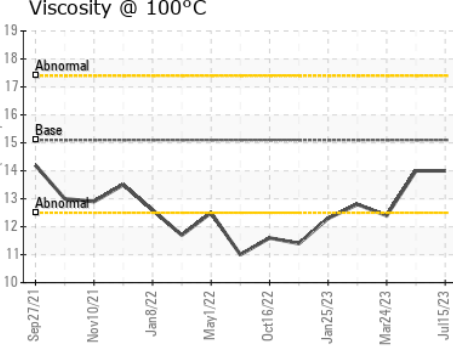
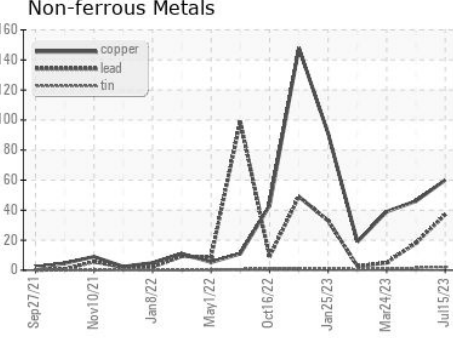
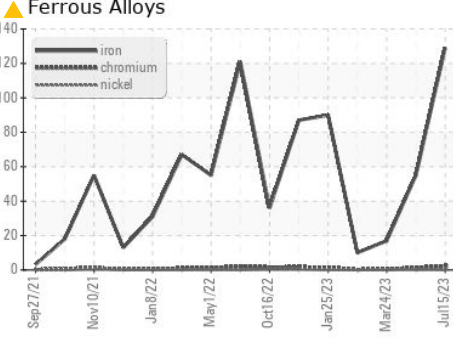
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.0	▲ 12.4

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0012269 **Received** : 21 Jul 2023
Lab Number : 05904830 **Diagnosed** : 25 Jul 2023
Unique Number : 10566186 **Diagnostician** : Don Baldrige
Test Package : FLEET (Additional Tests: PercentFuel)

CONOR
 JUAREZ 348
 HERMOSILLO,
 MX 83140
 Contact: EDUARDO GARCIA
 egarcia.comsa@gmail.com
 T: (526)622-1581 x:81
 F: x:

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)