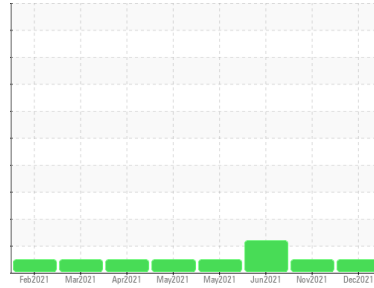




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
GUAY SON/Yavaros [CONHER]
 Machine Id
Pacifico Industrial - PISA2 Aux1
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 SDE SAE 15W40 (40 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination 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 INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KL0009023	KL0007615	KL0007457
Sample Date	Client Info		11 Dec 2021	10 Nov 2021	26 Jun 2021
Machine Age	hrs	Client Info	35906	34546	34143
Oil Age	hrs	Client Info	850	400	525
Oil Changed	Client Info		Not Chngd	N/A	Not Chngd
Sample Status			NORMAL	NORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
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	>250	10	33	45
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>35	2	4	4
Lead	ppm	ASTM D5185m	>100	<1	1	5
Copper	ppm	ASTM D5185m	>60	6	37	10
Tin	ppm	ASTM D5185m	>5	<1	0	1
Antimony	ppm	ASTM D5185m		0	0	<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		268	170	214
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		113	109	131
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		661	736	730
Calcium	ppm	ASTM D5185m		1525	1709	1693
Phosphorus	ppm	ASTM D5185m	760	666	632	710
Zinc	ppm	ASTM D5185m	800	782	786	928
Sulfur	ppm	ASTM D5185m	3000	1826	2826	2009

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>35	7	9	9
Sodium	ppm	ASTM D5185m		0	3	5
Potassium	ppm	ASTM D5185m	>20	<1	0	<1

INFRA-RED

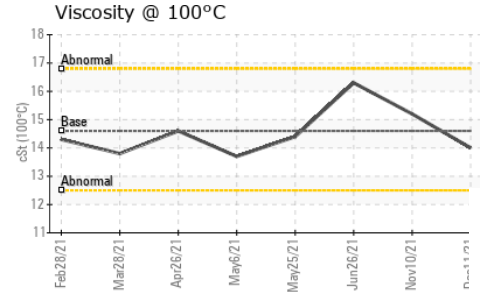
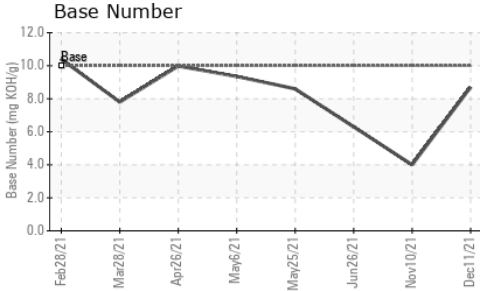
	method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	1.1	0	▲ 3.5
Nitration	Abs/cm	*ASTM D7624	>20	8.3	12.1	13.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.9	25.5	34.4

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.2	23	28.8
Base Number (BN)	mg KOH/g	ASTM D2896	10	8.7	4	6.3



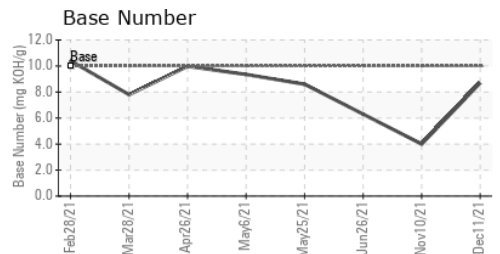
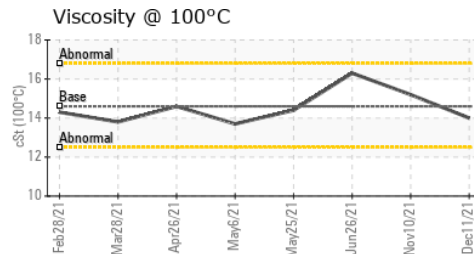
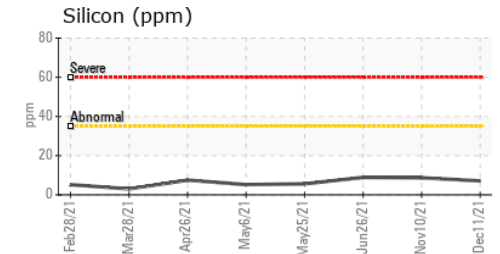
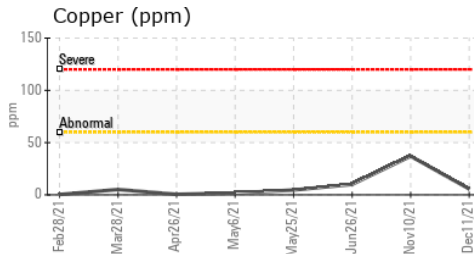
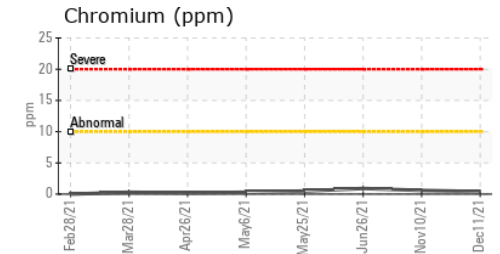
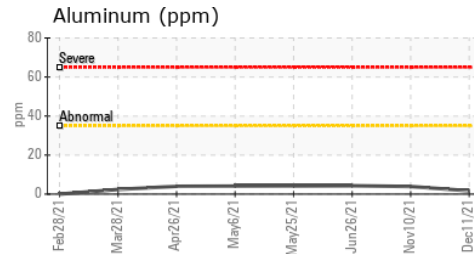
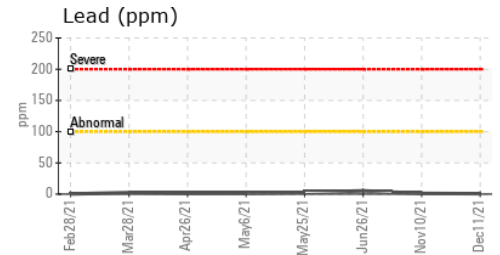
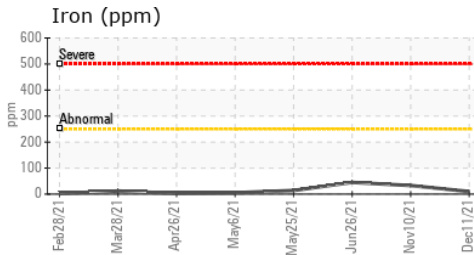
OIL ANALYSIS REPORT



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	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14.6	14.0	15.2 ▲ 16.3

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0009023
Lab Number : 05424392
Unique Number : 9778583
Test Package : MOB1+
Received : 16 Dec 2021
Tested : 17 Dec 2021
Diagnosed : 17 Dec 2021 - Angela Borella

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

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)