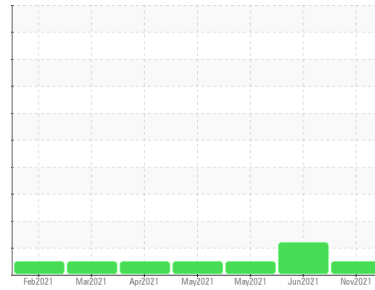




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
GUAY SON/Yavaros
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. (Customer Sample Comment: Rush)

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	history 1	history 2
Sample Number	Client Info		KL0007615	KL0007457	KL0006068
Sample Date	Client Info		10 Nov 2021	26 Jun 2021	25 May 2021
Machine Age	hrs	Client Info	34546	34143	33618
Oil Age	hrs	Client Info	400	525	497
Oil Changed	Client Info		N/A	Not Changd	Changed
Sample Status			NORMAL	ABNORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history 1	history 2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m	>250	33	45	14
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>35	4	4	4
Lead	ppm	ASTM D5185m	>100	1	5	3
Copper	ppm	ASTM D5185m	>60	37	10	5
Tin	ppm	ASTM D5185m	>5	0	1	<1
Antimony	ppm	ASTM D5185m		0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1

ADDITIVES

	method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m		170	214	224
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		109	131	116
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		736	730	662
Calcium	ppm	ASTM D5185m		1709	1693	1527
Phosphorus	ppm	ASTM D5185m	760	632	710	679
Zinc	ppm	ASTM D5185m	800	786	928	853
Sulfur	ppm	ASTM D5185m	3000	2826	2009	2211

CONTAMINANTS

	method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m	>35	9	9	6
Sodium	ppm	ASTM D5185m		3	5	2
Potassium	ppm	ASTM D5185m	>20	0	<1	0

INFRA-RED

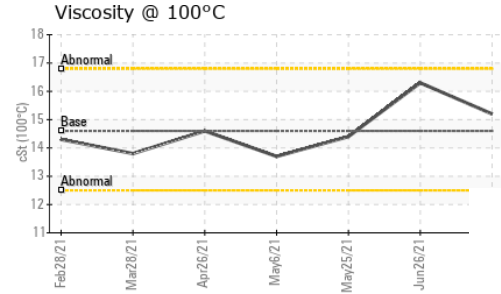
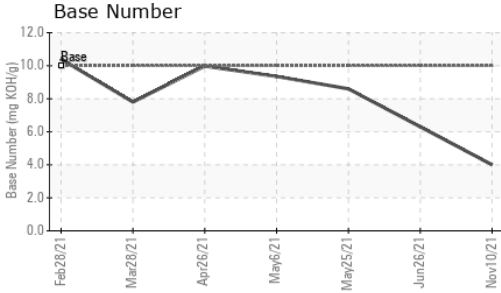
	method	limit/base	current	history 1	history 2	
Soot %	%	*ASTM D7844	>3	0	▲ 3.5	2.1
Nitration	Abs/cm	*ASTM D7624	>20	12.1	13.9	10.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.5	34.4	30.7

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	23	28.8	21.2
Base Number (BN)	mg KOH/g	ASTM D2896	10	4	6.3	8.6



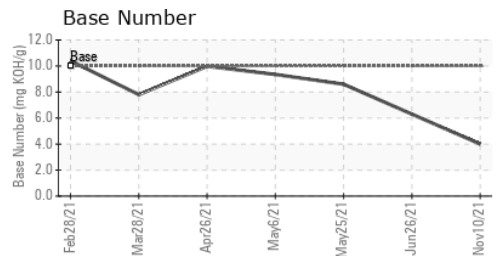
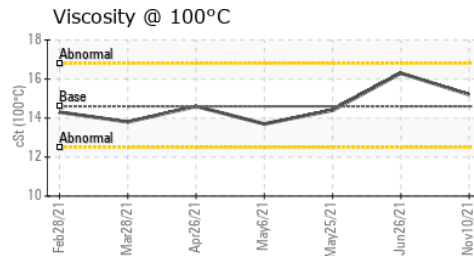
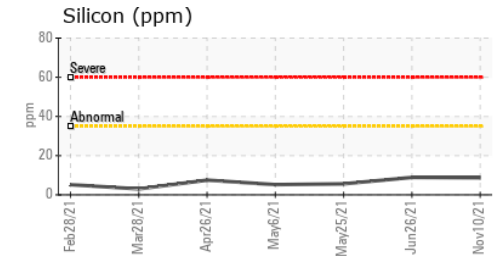
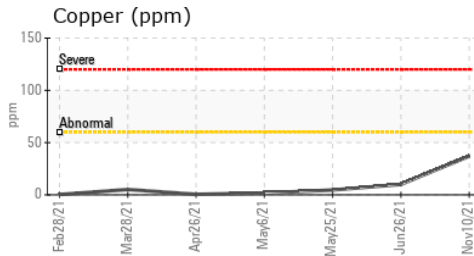
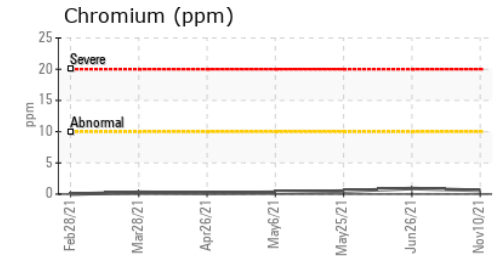
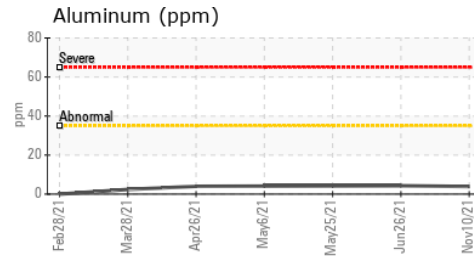
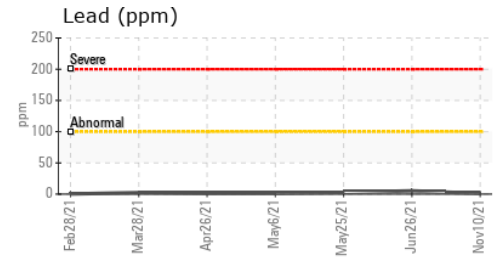
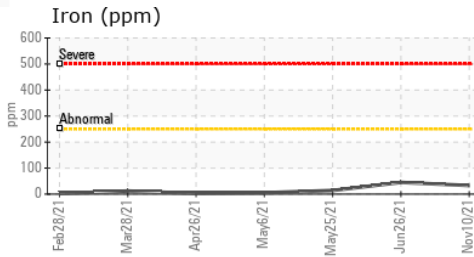
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
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	history 1	history 2	
Visc @ 100°C	cSt	ASTM D445	14.6	15.2	▲ 16.3	14.4

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : KL0007615 Received : 15 Nov 2021
 Lab Number : 05400801 Diagnosed : 16 Nov 2021
 Unique Number : 9739951 Diagnostician : Doug Bogart
 Test Package : MOB1+

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)

CONOR
 JUAREZ 348
 HERMOSILLO,
 MX 83140

Contact: EDUARDO GARCIA
 egarcia.comsa@gmail.com

T: (526)622-1581 x:81

F: x: