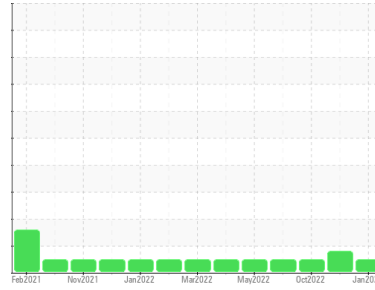




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**GUAY SON/Yavaros [CONHER]**  
 Machine Id  
**Pacifico Industrial - PISA2 Aux2**  
 Component  
**Auxiliary Engine**  
 Fluid  
**CHEVRON DELO 400 MULTIGRADE 15W40 (20 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 acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>KL0010218</b>	KL0011317	KL0011193
Sample Date	Client Info		<b>16 Jan 2023</b>	15 Nov 2022	16 Oct 2022
Machine Age	hrs	Client Info	<b>0</b>	6851	6846
Oil Age	hrs	Client Info	<b>0</b>	895	890
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<b>&lt;1.0</b>	<1.0	<1.0
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol	WC Method		<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	<b>18</b>	22	22
Chromium	ppm	ASTM D5185m >20	<b>&lt;1</b>	1	2
Nickel	ppm	ASTM D5185m >2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m >2	<b>3</b>	4	5
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	1
Aluminum	ppm	ASTM D5185m >20	<b>2</b>	3	3
Lead	ppm	ASTM D5185m >40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m >330	<b>4</b>	5	6
Tin	ppm	ASTM D5185m >15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 151	<b>274</b>	185	242
Barium	ppm	ASTM D5185m 0.4	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 250	<b>108</b>	113	104
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m 0	<b>550</b>	646	630
Calcium	ppm	ASTM D5185m 2046	<b>1391</b>	1528	1439
Phosphorus	ppm	ASTM D5185m 1043	<b>757</b>	714	658
Zinc	ppm	ASTM D5185m 943	<b>953</b>	860	832
Sulfur	ppm	ASTM D5185m 5012	<b>2881</b>	2851	2691

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>7</b>	8	8
Sodium	ppm	ASTM D5185m	<b>2</b>	2	4
Potassium	ppm	ASTM D5185m >20	<b>2</b>	<1	2

## INFRA-RED

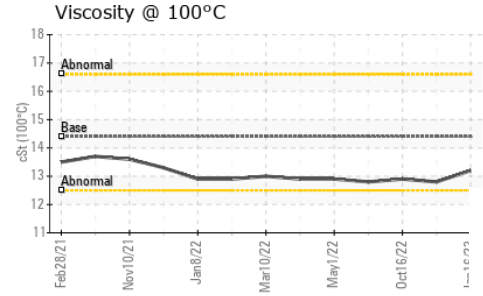
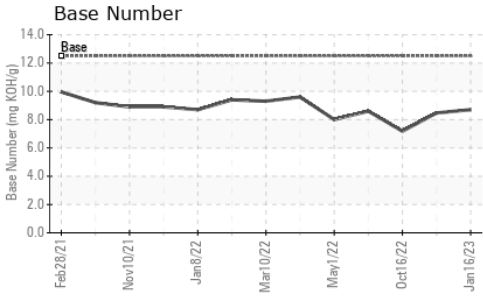
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	<b>0.2</b>	0.3	0.3
Nitration	Abs/cm	*ASTM D7624 >20	<b>7.7</b>	8.6	9.4
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>22.0</b>	22.5	25.2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>16.7</b>	17.4	19.3
Base Number (BN)	mg KOH/g	ASTM D2896 12.5	<b>8.7</b>	8.47	7.18



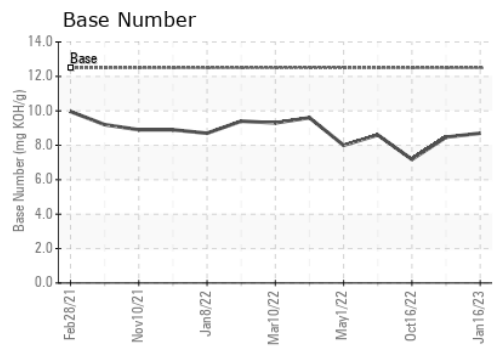
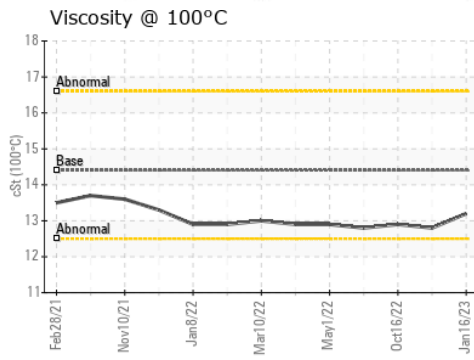
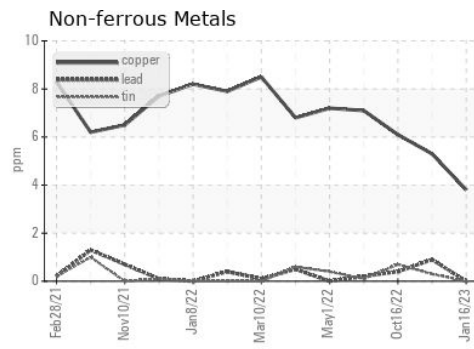
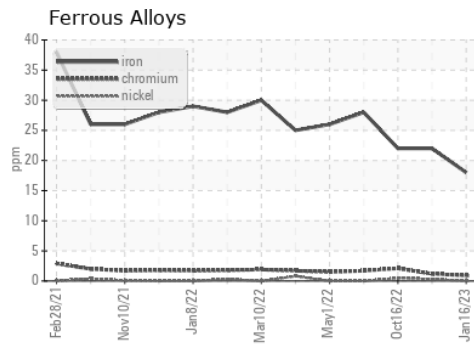
# OIL ANALYSIS REPORT



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	14.4	<b>13.2</b>	12.8	12.9

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KL0010218  
**Lab Number** : 05755973  
**Unique Number** : 10320580  
**Test Package** : FLEET  
**Received** : 01 Feb 2023  
**Tested** : 02 Feb 2023  
**Diagnosed** : 02 Feb 2023 - Angela Borella

**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)