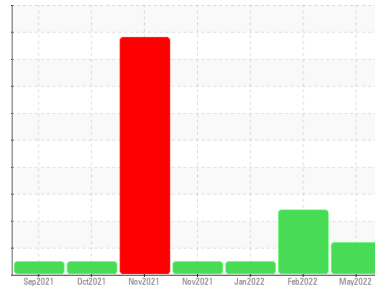




OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



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

We advise that you check the fuel injection system. Resample at the next service interval to monitor. (Customer Sample Comment: No info of sample)

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil.

Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	KL0009241	KL0009053	KL0009030
Sample Date	Client Info	01 May 2022	07 Feb 2022	08 Jan 2022
Machine Age	hrs	Client Info	1453	696
Oil Age	hrs	Client Info	1007	250
Oil Changed	Client Info	N/A	Not Changd	Not Changd
Sample Status		ABNORMAL	SEVERE	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2	
Water	WC Method	>0.1	NEG	NEG	NEG
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>100	55	67	31
Chromium	ppm	ASTM D5185m	>20	1	1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	4	<1	2
Lead	ppm	ASTM D5185m	>40	8	9	2
Copper	ppm	ASTM D5185m	>330	5	11	5
Tin	ppm	ASTM D5185m	>15	<1	0	0
Antimony	ppm	ASTM D5185m		---	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m		241	236	279
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		114	112	111
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		715	639	642
Calcium	ppm	ASTM D5185m		1585	1537	1470
Phosphorus	ppm	ASTM D5185m	1360	727	714	668
Zinc	ppm	ASTM D5185m	1480	848	819	768
Sulfur	ppm	ASTM D5185m		2222	2196	1890

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	6	6	6
Sodium	ppm	ASTM D5185m		5	2	4
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Fuel	%	ASTM D3524	>4.0	▲ 6.3	▲ 9.7	<1.0

INFRA-RED

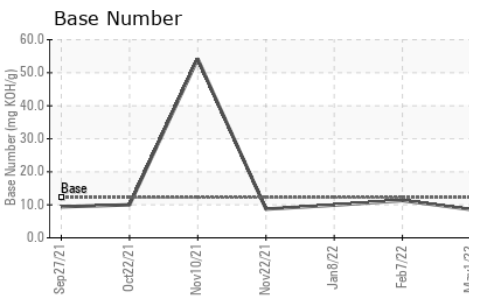
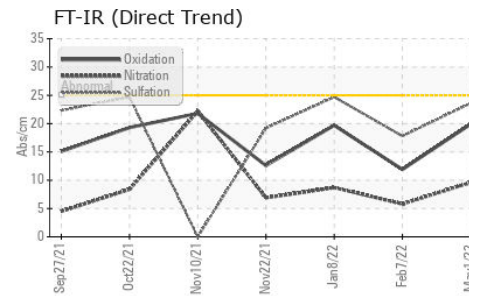
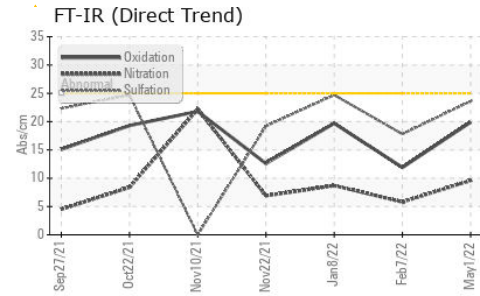
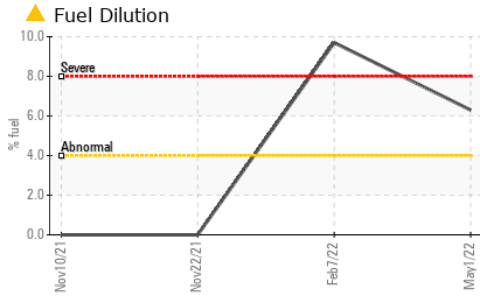
method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844		0.6	0.1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	9.6	5.8	8.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.6	17.8	24.7

FLUID DEGRADATION

method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.9	11.9	19.7
Base Number (BN)	mg KOH/g	ASTM D2896	12.2	8.6	11.3	9.9



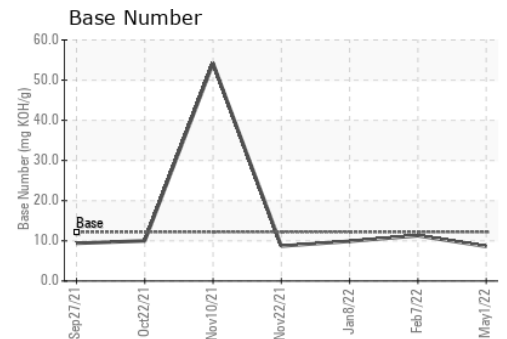
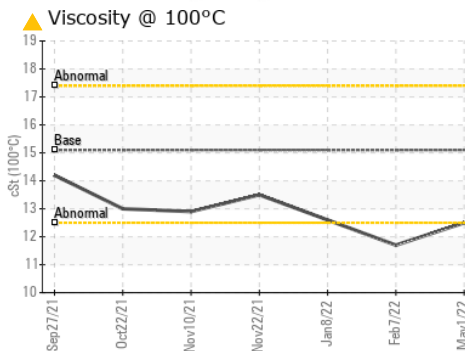
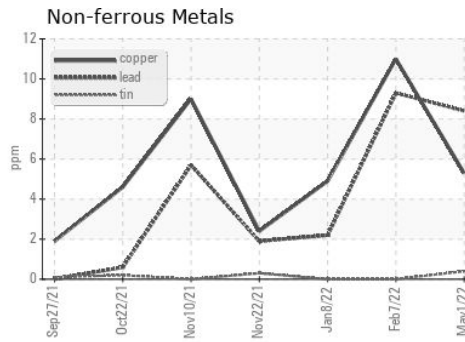
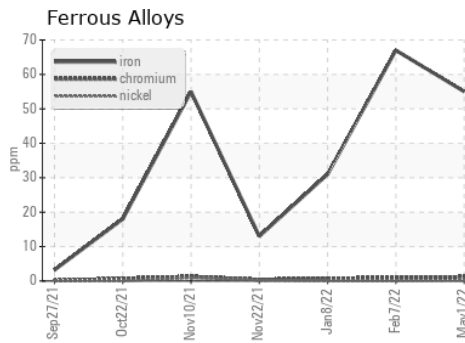
OIL ANALYSIS REPORT



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	▲ 12.5	▲ 11.7	12.6

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0009241 **Received** : 10 May 2022
Lab Number : 05540912 **Tested** : 11 May 2022
Unique Number : 9970202 **Diagnosed** : 11 May 2022 - Don Baldrige
Test Package : FLEET (Additional Tests: PercentFuel)

CONOR
 JUAREZ 348
 HERMOSILLO,
 MX 83140

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)

Contact: EDUARDO GARCIA
egarcia.comsa@gmail.com

T: (526)622-1581 x:81

F: x: