



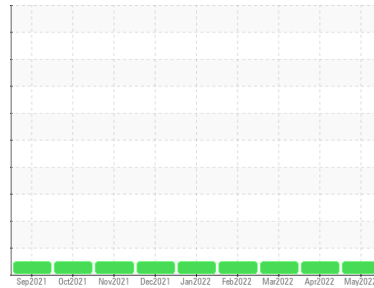
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
GUAY SON/Yavaros [CONHER]
 Machine Id
CATERPILLAR Pacifico Ind Azteca MP
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (160 LTR)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Estimated hrs because no info of sample)

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		KL0009240	KL0009232	KL0009098
Sample Date	Client Info		01 May 2022	08 Apr 2022	10 Mar 2022
Machine Age	hrs	Client Info	3269	2919	2569
Oil Age	hrs	Client Info	350	2919	2569
Oil Changed	Client Info		N/A	N/A	Not Changd
Sample Status			NORMAL	NORMAL	NORMAL

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 >100	8	72	60
Chromium	ppm	ASTM D5185m >20	<1	1	1
Nickel	ppm	ASTM D5185m >2	<1	2	<1
Titanium	ppm	ASTM D5185m >2	0	<1	<1
Silver	ppm	ASTM D5185m >2	<1	<1	0
Aluminum	ppm	ASTM D5185m >25	4	5	6
Lead	ppm	ASTM D5185m >40	2	22	16
Copper	ppm	ASTM D5185m >330	3	25	26
Tin	ppm	ASTM D5185m >15	<1	3	2
Antimony	ppm	ASTM D5185m	---	---	---
Vanadium	ppm	ASTM D5185m	<1	<1	<1
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	320	141	144
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	115	122	131
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	727	754	708
Calcium	ppm	ASTM D5185m	1575	1708	1636
Phosphorus	ppm	ASTM D5185m 1360	746	734	712
Zinc	ppm	ASTM D5185m 1480	849	844	898
Sulfur	ppm	ASTM D5185m	2331	2198	2321

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	4	9	10
Sodium	ppm	ASTM D5185m	5	20	19
Potassium	ppm	ASTM D5185m >20	<1	0	2

INFRA-RED

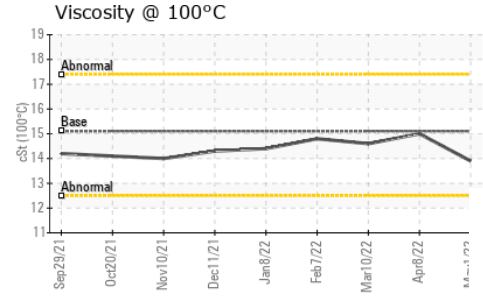
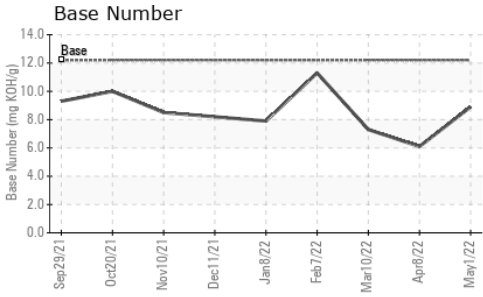
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	0.2	1	0.9
Nitration	Abs/cm	*ASTM D7624 >20	6.9	14.6	13.5
Sulfation	Abs/.1mm	*ASTM D7415 >30	23.5	31.4	30.0

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	17.0	33.0	29.8
Base Number (BN)	mg KOH/g	ASTM D2896 12.2	8.9	6.1	7.3



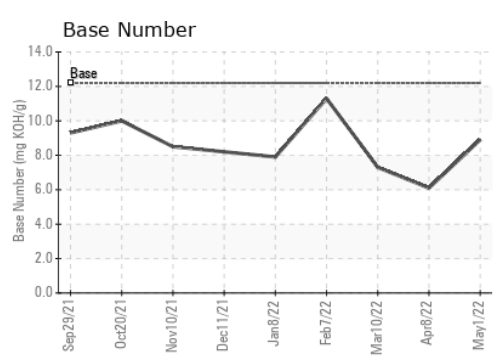
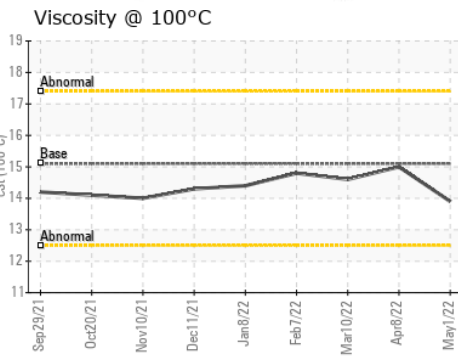
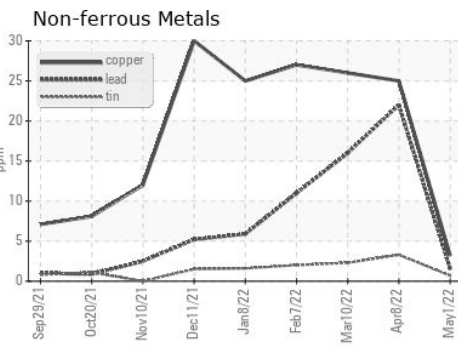
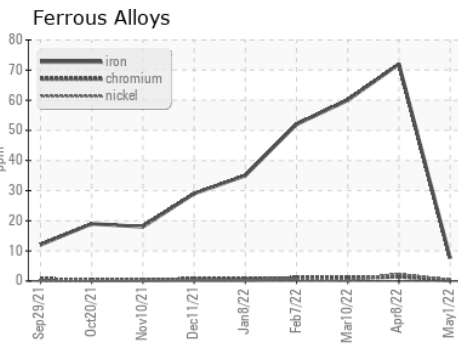
OIL ANALYSIS REPORT



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	15.1	13.9	15.0	14.6

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0009240 **Received** : 10 May 2022
Lab Number : 05540915 **Tested** : 11 May 2022
Unique Number : 9970205 **Diagnosed** : 11 May 2022 - Don Baldrige
Test Package : FLEET

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)