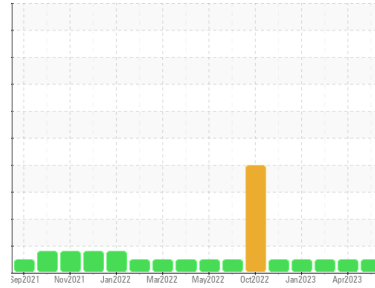




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
GUAY SON/Yavaros [CONHER]
 Machine Id
PERKINS Pacifico Ind PISA1 Aux1
 Component
Auxiliary Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 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 acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KL0012230	KL0012220	KL0010254
Sample Date	Client Info		26 Apr 2023	04 Apr 2023	01 Mar 2023
Machine Age	hrs	Client Info	43888	43678	43170
Oil Age	hrs	Client Info	1879	1669	0
Oil Changed	Client Info		Not Chngd	Not Chngd	N/A
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<1.0	<1.0	<1.0
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	15	18	22
Chromium	ppm	ASTM D5185m >20	<1	<1	<1
Nickel	ppm	ASTM D5185m >2	<1	0	<1
Titanium	ppm	ASTM D5185m >2	<1	0	0
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >20	3	0	4
Lead	ppm	ASTM D5185m >40	3	3	3
Copper	ppm	ASTM D5185m >330	7	9	12
Tin	ppm	ASTM D5185m >15	<1	<1	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	178	198	178
Barium	ppm	ASTM D5185m	0	0	2
Molybdenum	ppm	ASTM D5185m	118	130	132
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	642	664	672
Calcium	ppm	ASTM D5185m	1421	1480	1534
Phosphorus	ppm	ASTM D5185m 1360	636	687	691
Zinc	ppm	ASTM D5185m 1480	801	868	871
Sulfur	ppm	ASTM D5185m	2539	2587	2502

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	8	9	11
Sodium	ppm	ASTM D5185m	1	1	<1
Potassium	ppm	ASTM D5185m >20	2	2	2

INFRA-RED

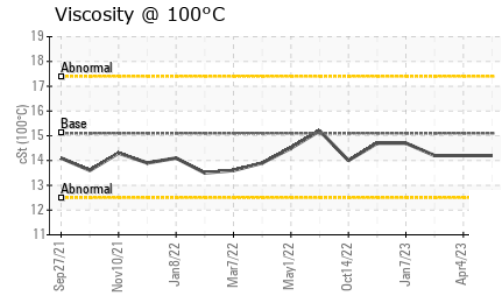
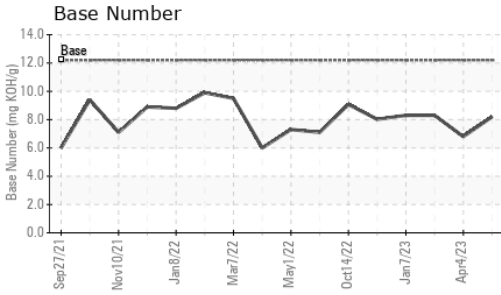
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	2.3	2.2	2.7
Nitration	Abs/cm	*ASTM D7624 >20	10.4	10.2	11.2
Sulfation	Abs/.1mm	*ASTM D7415 >30	28.2	26.5	28.9

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	20.0	19.1	19.9
Base Number (BN)	mg KOH/g	ASTM D2896 12.2	8.2	6.8	8.3



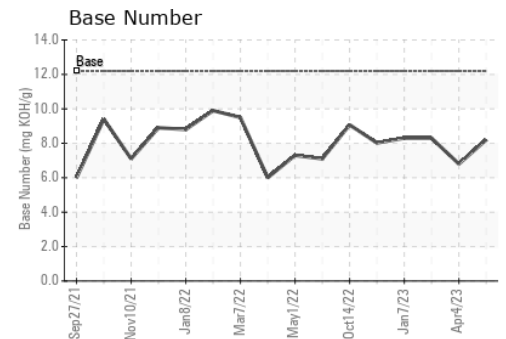
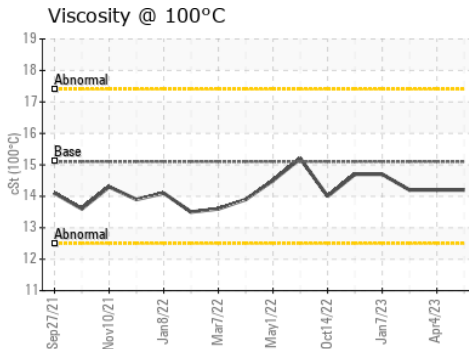
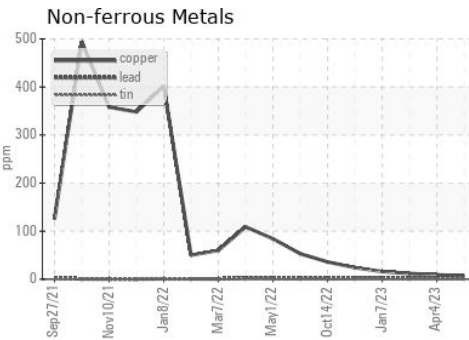
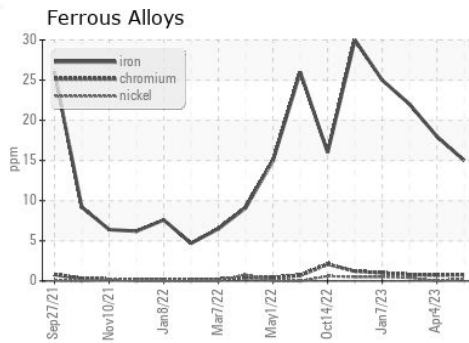
OIL ANALYSIS REPORT



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	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.2	14.2

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : KL0012230
 Lab Number : 05843081
 Unique Number : 10467188
 Test Package : FLEET

Received : 10 May 2023
 Diagnosed : 12 May 2023
 Diagnostician : 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)