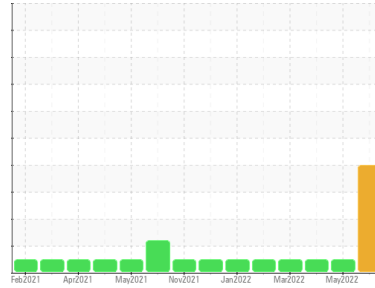




OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Area
GUAY SON/Yavaros [CONHER]
 Machine Id
Pacifico Industrial - PISA2 Aux1
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 SDE SAE 15W40 (40 LTR)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The BN level is low.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KL0010186	KL0009246	KL0009228
Sample Date	Client Info		13 Jun 2022	01 May 2022	08 Apr 2022
Machine Age	hrs	Client Info	0	38066	37616
Oil Age	hrs	Client Info	0	450	1710
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	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	>250	36	20	15
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m	>35	1	4	4
Lead	ppm	ASTM D5185m	>100	7	4	3
Copper	ppm	ASTM D5185m	>60	8	8	6
Tin	ppm	ASTM D5185m	>5	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	▲ 40	148	218	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	▲ 13	105	105	
Manganese	ppm	ASTM D5185m	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	▲ 84	727	703	
Calcium	ppm	ASTM D5185m	▲ 797	1531	1541	
Phosphorus	ppm	ASTM D5185m	760	▲ 308	695	700
Zinc	ppm	ASTM D5185m	800	▲ 332	825	801
Sulfur	ppm	ASTM D5185m	3000	▲ 1537	2166	2157

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>35	10	7	7
Sodium	ppm	ASTM D5185m		3	4	2
Potassium	ppm	ASTM D5185m	>20	2	0	0

INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.5	1.6	1.5
Nitration	Abs/cm	*ASTM D7624	>20	12.1	10.4	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.8	27.9	28.7

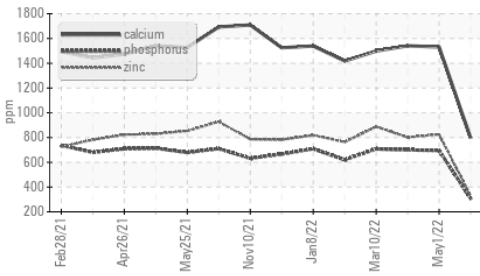
FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	46.7	21.6	20.9
Base Number (BN)	mg KOH/g	ASTM D2896	10	▲ 1.7	7.4	8.8

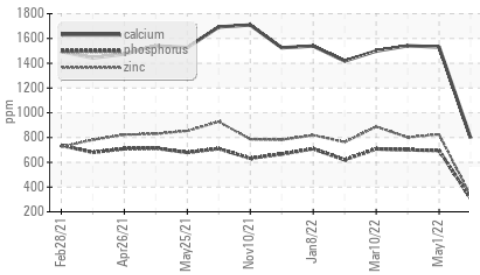


OIL ANALYSIS REPORT

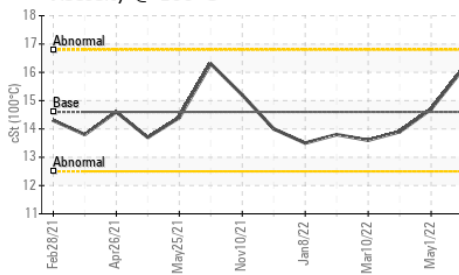
▲ Additives



▲ Additives



Viscosity @ 100°C

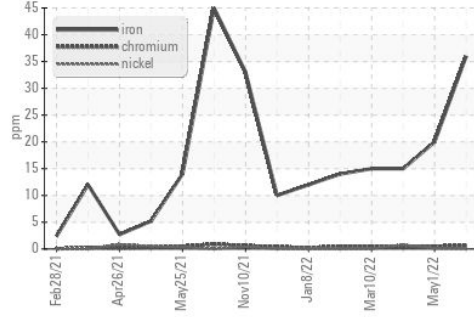


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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

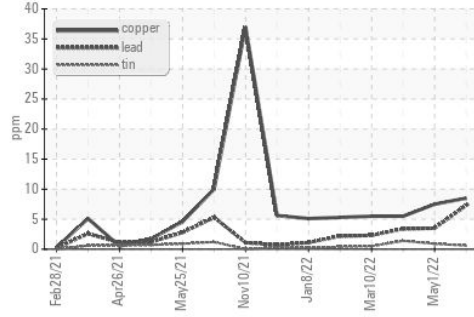
FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	14.6	16.1	14.7	13.9

GRAPHS

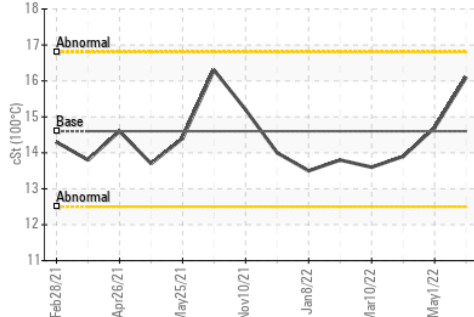
Ferrous Alloys



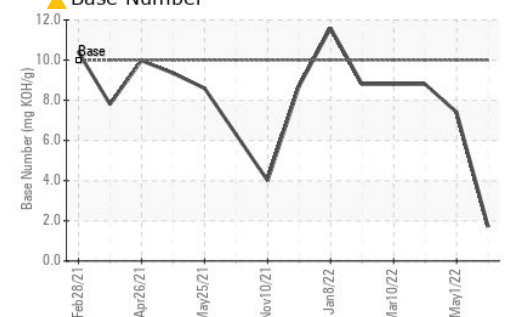
Non-ferrous Metals



Viscosity @ 100°C



▲ Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0010186
Lab Number : 05579601
Unique Number : 10034027
Test Package : FLEET
Received : 29 Jun 2022
Tested : 01 Jul 2022
Diagnosed : 01 Jul 2022 - Jonathan Hester

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)