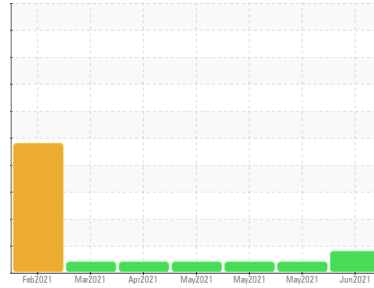




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
GUAY SON/Yavaros [CONHER]
 Machine Id
Pacifico industrial - PISA2 Hidráulico
 Component
Hydraulic System
 Fluid
QUAKER STATE DUPLEX AW HYDRAULIC 68 (1200 LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	KL0006792	KL0006767	KL0006766
Sample Date	Client Info	26 Jun 2021	25 May 2021	25 May 2021
Machine Age	mths	Client Info	0	0
Oil Age	mths	Client Info	118	0
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m >20	8	10	12
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	0	<1	<1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >10	<1	0	0
Lead	ppm	ASTM D5185m >10	<1	<1	0
Copper	ppm	ASTM D5185m >75	1	1	1
Tin	ppm	ASTM D5185m >10	0	0	0
Antimony	ppm	ASTM D5185m	0	0	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m 4.0	<1	2	0
Barium	ppm	ASTM D5185m 0.0	0	0	0
Molybdenum	ppm	ASTM D5185m 0.0	<1	0	0
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m 0.1	4	5	5
Calcium	ppm	ASTM D5185m 54	17	24	47
Phosphorus	ppm	ASTM D5185m 272	81	92	94
Zinc	ppm	ASTM D5185m 357	41	62	71
Sulfur	ppm	ASTM D5185m 2434	667	855	865

CONTAMINANTS

method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m >20	0	1	<1
Sodium	ppm	ASTM D5185m	17	32	35
Potassium	ppm	ASTM D5185m >20	0	0	0

FLUID CLEANLINESS

method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	97492	87229	112034
Particles >6µm	ASTM D7647 >1300	▲ 16763	▲ 10796	▲ 19760
Particles >14µm	ASTM D7647 >160	▲ 192	45	60
Particles >21µm	ASTM D7647 >40	23	8	9
Particles >38µm	ASTM D7647 >10	1	1	0
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >17/14	▲ 21/15	▲ 21/13	▲ 21/13

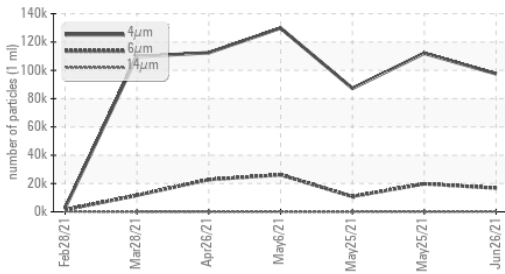
FLUID DEGRADATION

method	limit/base	current	history 1	history 2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.5	0.056	0.112	0.060

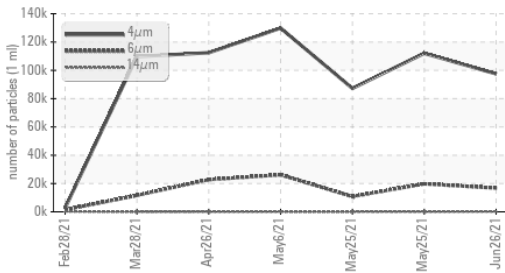


OIL ANALYSIS REPORT

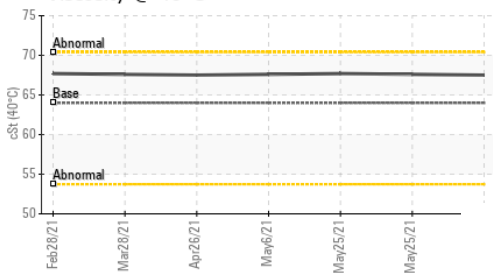
▲ Particle Trend



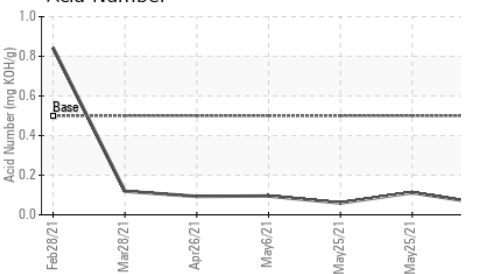
▲ Particle Trend



Viscosity @ 40°C



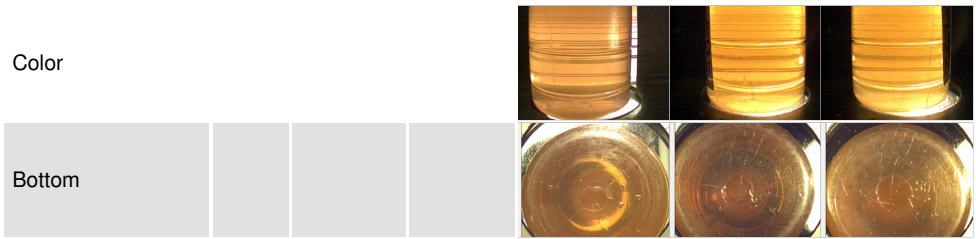
Acid Number



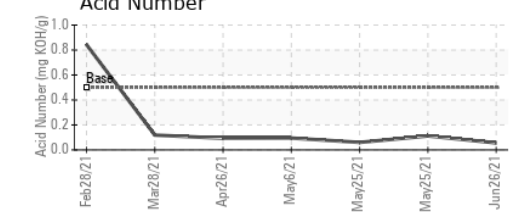
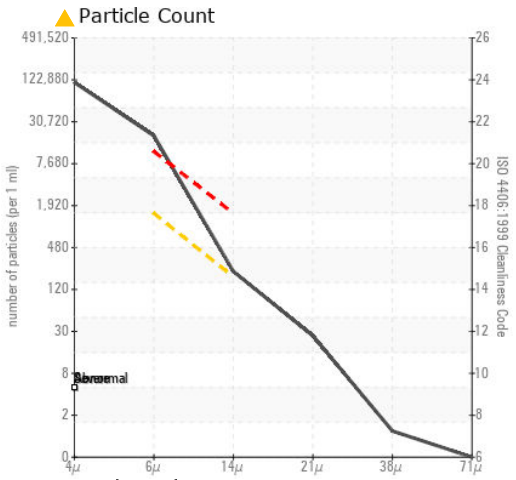
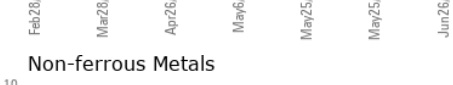
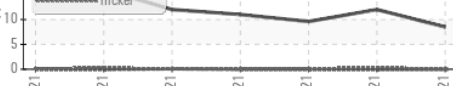
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	history 1	history 2
Visc @ 40°C	cSt	ASTM D445 64	67.5	67.6	67.7

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0006792 **Received** : 08 Jul 2021
Lab Number : 05297644 **Diagnosed** : 12 Jul 2021
Unique Number : 9571599 **Diagnostician** : Angela Borella
Test Package : MOB 2

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)