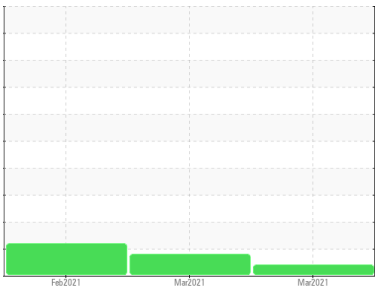
OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Area
GUAY SON/Yavaros [CONHER]
Machine Id
PISA2 diésel tanque almacenamiento
Component
Diesel Fuel
Fluid
Diesel tanque almacenamiento (--- GAL)

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. Diesel after Kleenfuel (Customer Sample Comment: Diesel after Kleenfuel)

Corrosion
All metal levels are normal indicating no corrosion in the system.

Contaminants
There is a moderate amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible.

Fuel Condition
The condition of the fuel appears acceptable for service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**KL0006095**	KL0006094	KL0006036
Sample Date		Client Info		**29 Mar 2021**	28 Mar 2021	27 Feb 2021
Machine Age	hrs	Client Info		**0**	0	0
Sample Status				**ATTENTION**	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>2	**0**	<1	0
Chromium	ppm	ASTM D5185m	>2	**0**	0	0
Nickel	ppm	ASTM D5185m	>2	**<1**	0	<1
Titanium	ppm	ASTM D5185m	>2	**0**	0	0
Silver	ppm	ASTM D5185m	>2	**0**	0	0
Aluminum	ppm	ASTM D5185m	>2	**0**	0	<1
Lead	ppm	ASTM D5185m	>2	**1**	0	0
Copper	ppm	ASTM D5185m	>2	**0**	0	0
Tin	ppm	ASTM D5185m	>2	**0**	0	0
Antimony	ppm	ASTM D5185m	>2	**0**	<1	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	<1	0

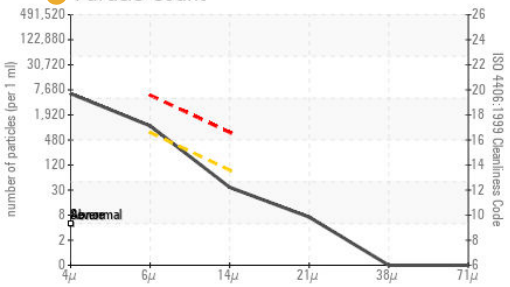
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**<1**	1	0
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	<1	<1
Manganese	ppm	ASTM D5185m		**0**	0	0
Magnesium	ppm	ASTM D5185m		**<1**	0	0
Calcium	ppm	ASTM D5185m		**0**	0	0
Phosphorus	ppm	ASTM D5185m		**0**	0	0
Zinc	ppm	ASTM D5185m		**<1**	0	<1
Sulfur	ppm	ASTM D5185m		**84**	65	0

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>10	**<1**	0	0
Sodium	ppm	ASTM D5185m		**<1**	<1	0
Potassium	ppm	ASTM D5185m	>20	**2**	0	17
Water	%	ASTM D6304	>0.05	**0.003**	0.003	0.002
ppm Water	ppm	ASTM D6304		**32.0**	28.5	18.1

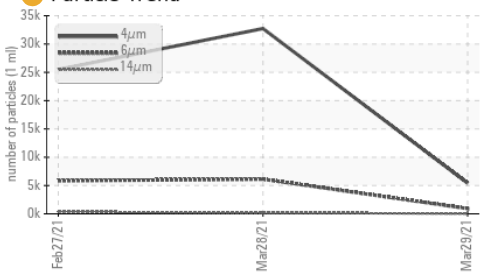
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		**5426**	32731	25493
Particles >6µm		ASTM D7647	>640	**918**	▲ 6120	▲ 5836
Particles >14µm		ASTM D7647	>80	**31**	▲ 179	▲ 362
Particles >21µm		ASTM D7647	>20	**6**	20	▲ 79
Particles >38µm		ASTM D7647	>4	**0**	0	2
Particles >71µm		ASTM D7647	>3	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>16/13	**17/12**	▲ 20/15	▲ 20/16

OIL ANALYSIS REPORT

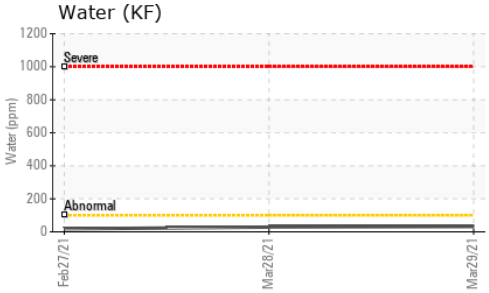
Particle Count



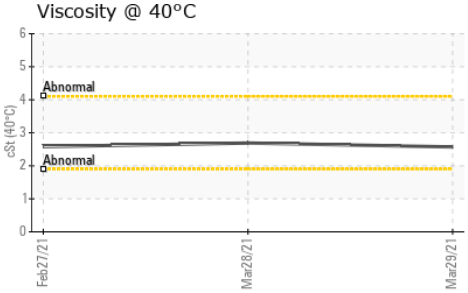
Particle Trend



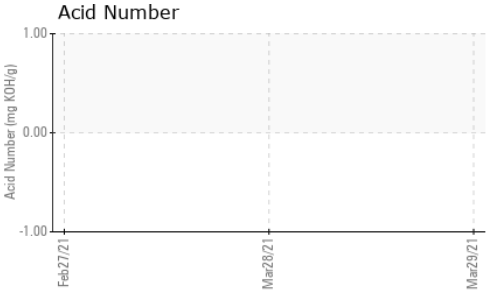
Water (KF)



Viscosity @ 40°C

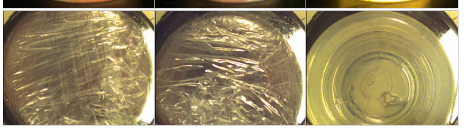


Acid Number



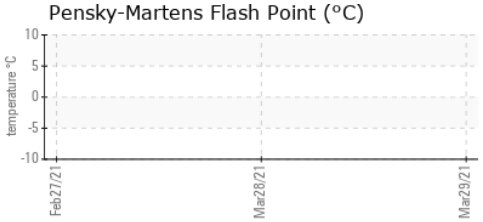
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**2.57**	2.69	2.58

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

Pensky-Martens Flash Point (°C)



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0006095 **Received** : 08 Apr 2021
Lab Number : 05225267 **Tested** : 12 Apr 2021
Unique Number : 9454165 **Diagnosed** : 12 Apr 2021 - Doug Bogart
Test Package : MOB 2 (Additional Tests: KF, PrtCount)

Certificate L2367

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)

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Report Id: CONHERKL [WUSCAR] 05225267 (Generated: 04/29/2024 12:59:21) Rev: 1

Submitted By: EDUARDO GARCIA