OIL ANALYSIS REPORT

Sample Rating Trend

Aug2021   Oct2021   Dec2021
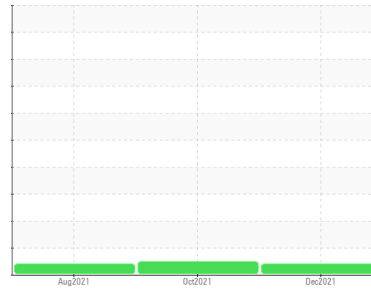
ISO

Area
HER SON
Machine Id
Schott Mexico AG INY-1
Component
Hydraulic System
Fluid
TEXACO RANDO OIL HD 46 (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 high 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	history1	history2
Sample Number		Client Info		**KL05415301**	KL0006811	KL0006803
Sample Date		Client Info		**05 Dec 2021**	04 Oct 2021	03 Aug 2021
Machine Age	mths	Client Info		**0**	0	0
Oil Age	mths	Client Info		**0**	6	5
Oil Changed		Client Info		**N/A**	Not Changd	Not Changd
Sample Status				**ABNORMAL**	NORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	**0**	0	<1
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>10	**<1**	<1	0
Lead	ppm	ASTM D5185m	>10	**0**	2	0
Copper	ppm	ASTM D5185m	>75	**<1**	0	0
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	history1	history2
Boron	ppm	ASTM D5185m	0.2	**0**	0	0
Barium	ppm	ASTM D5185m	0	**0**	0	0
Molybdenum	ppm	ASTM D5185m	0	**0**	0	0
Manganese	ppm	ASTM D5185m		**0**	0	0
Magnesium	ppm	ASTM D5185m	0	**0**	0	0
Calcium	ppm	ASTM D5185m	49	**36**	38	40
Phosphorus	ppm	ASTM D5185m	247	**335**	331	334
Zinc	ppm	ASTM D5185m	323	**436**	438	403
Sulfur	ppm	ASTM D5185m	4717	**745**	737	717

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**0**	0	<1
Sodium	ppm	ASTM D5185m		**0**	0	<1
Potassium	ppm	ASTM D5185m	>20	**0**	0	2

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		**102346**	22960	119894
Particles >6µm		ASTM D7647	>1300	▲ **2624**	791	▲ 4361
Particles >14µm		ASTM D7647	>160	**25**	24	20
Particles >21µm		ASTM D7647	>40	**6**	7	2
Particles >38µm		ASTM D7647	>10	**0**	0	0
Particles >71µm		ASTM D7647	>3	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>17/14	▲ **19/12**	17/12	▲ 19/11

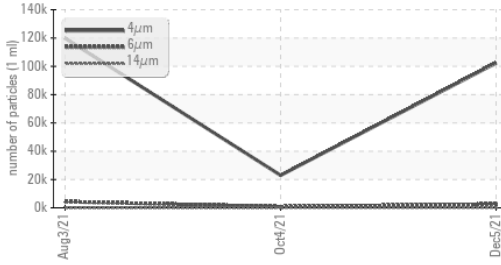| FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.383**	0.316	0.364

OIL ANALYSIS REPORT

Particle Trend
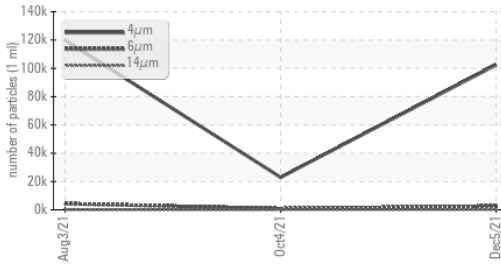
Particle Trend

Acid Number
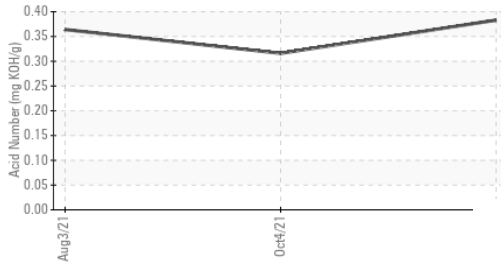
Viscosity @ 40°C
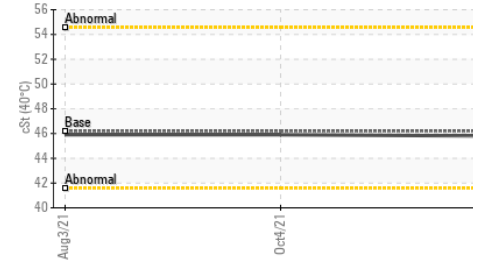
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.2	**45.8**	45.9	45.9

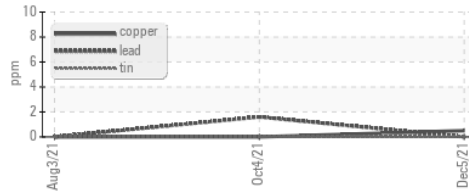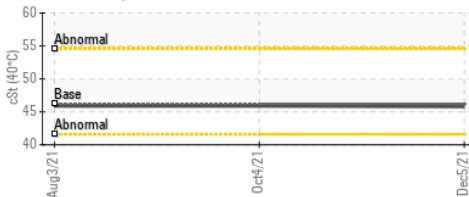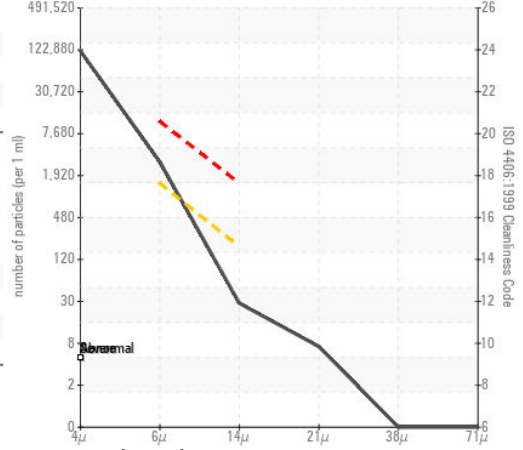| SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
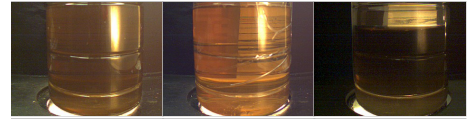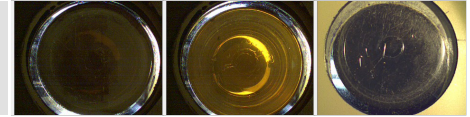
GRAPHS

Ferrous Alloys
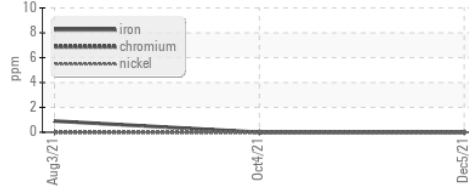
Non-ferrous Metals

Viscosity @ 40°C

Particle Count

Acid Number

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
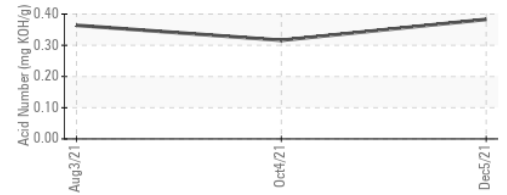
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL05415301   **Received** : 06 Dec 2021
Lab Number : 05415301   **Diagnosed** : 09 Dec 2021
Unique Number : 9764489   **Diagnostician** : Doug Bogart
Test Package : MOB 2

CONOR
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HERMOSILLO,
MX 83140
Contact: EDUARDO GARCIA
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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)

Certificate L2367

Report Id: CONHERKL [WUSCAR] 05415301 (Generated: 08/08/2023 15:00:38) Rev: 1

Contact/Location: EDUARDO GARCIA - CONHERKL

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