CONST

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
2H28
Machine Id
KENWORTH T370 RTK8883 (S/N 2NKHLJ9X3EM420800)
Component
Transmission (Auto)
Fluid
ATF (PAO) (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

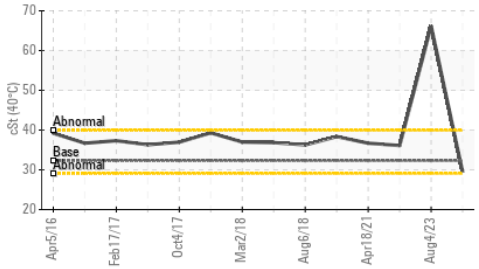
There is no indication of any contamination in the fluid.

FLUID CONDITION

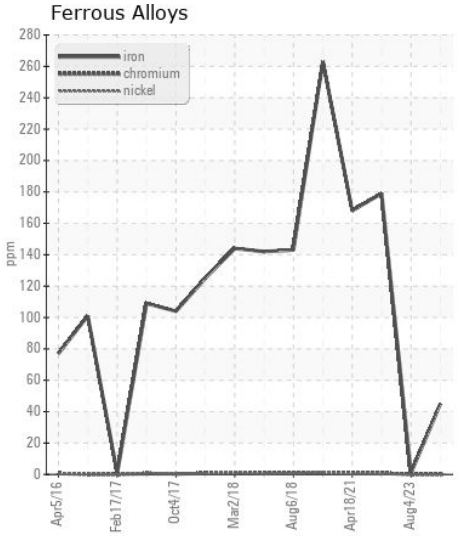
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**ARI0007335**	ARI0004577	ARI0003462
Sample Date		Client Info		**15 Jan 2024**	04 Aug 2023	01 Nov 2021
Machine Age	mls	Client Info		**191904**	0	154949
Oil Age	mls	Client Info		**0**	0	0
Filter Age	mls	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	Not Changd	N/A
Filter Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**NORMAL**	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>160	**45**	<1	▲ 179
Chromium	ppm	ASTM D5185m	>5	**<1**	0	<1
Nickel	ppm	ASTM D5185m	>5	**0**	0	<1
Titanium	ppm	ASTM D5185m		**<1**	0	<1
Silver	ppm	ASTM D5185m	>5	**0**	0	<1
Aluminum	ppm	ASTM D5185m	>50	**4**	0	20
Lead	ppm	ASTM D5185m	>50	**<1**	0	7
Copper	ppm	ASTM D5185m	>225	**2**	<1	10
Tin	ppm	ASTM D5185m	>10	**<1**	0	2
Vanadium	ppm	ASTM D5185m		**0**	0	<1
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	**6**	<1	12
Potassium	ppm	ASTM D5185m	>20	**0**	<1	3
Water		WC Method	>0.1	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	LIGHT
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
Sodium	ppm	ASTM D5185m		**5**	0	4
Boron	ppm	ASTM D5185m	175	**248**	▲ 0	96
Barium	ppm	ASTM D5185m	5	**0**	2	<1
Molybdenum	ppm	ASTM D5185m	5	**0**	3	<1
Manganese	ppm	ASTM D5185m		**<1**	0	3
Magnesium	ppm	ASTM D5185m	5	**<1**	▲ 38	0
Calcium	ppm	ASTM D5185m	125	**193**	161	2
Phosphorus	ppm	ASTM D5185m	290	**495**	383	259
Zinc	ppm	ASTM D5185m	10	**0**	▲ 503	0
Sulfur	ppm	ASTM D5185m	400	**1656**	▲ 1103	433
Visc @ 40°C	cSt	ASTM D445	32.3	**29.4**	▲ 66.2	36.1

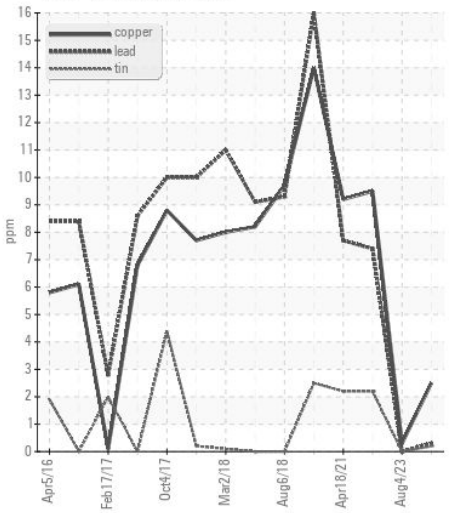
Viscosity @ 40°C



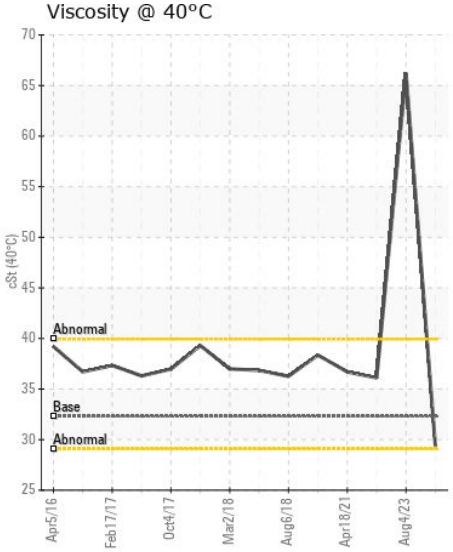
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ARI0007335
Lab Number : 06086444
Unique Number : 10873889
Test Package : CONST

Received : 12 Feb 2024
Tested : 13 Feb 2024
Diagnosed : 13 Feb 2024 - Wes Davis

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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