



OIL ANALYSIS REPORT

Area

2H28

Machine Id

KENWORTH T370 RTK9741 (S/N 2NKHLJ0X1HM154503)

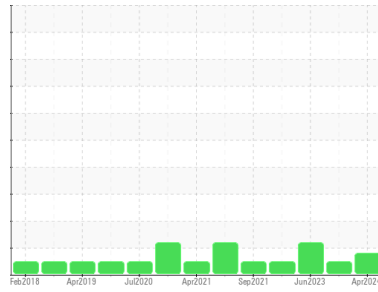
Component

Transmission (Auto)

Fluid

ATF (PAO) (--- GAL)

Sample Rating Trend



SEDIMENT



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 visible silt present in the sample.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		ARI0007309	ARI0007329	ARI0004534
Sample Date	Client Info		02 Apr 2024	19 Dec 2023	07 Jun 2023
Machine Age	mls	Client Info	174110	169476	155230
Oil Age	mls	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	Not Changd
Sample Status			ABNORMAL	NORMAL	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>325	310	283	▲ 254
Chromium	ppm	ASTM D5185m	>2	2	1	1
Nickel	ppm	ASTM D5185m	>2	2	1	1
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>75	45	41	39
Lead	ppm	ASTM D5185m	>40	16	16	15
Copper	ppm	ASTM D5185m	>50	14	13	12
Tin	ppm	ASTM D5185m	>10	4	4	3
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	175	82	73	76
Barium	ppm	ASTM D5185m	5	<1	1	0
Molybdenum	ppm	ASTM D5185m	5	<1	<1	<1
Manganese	ppm	ASTM D5185m		5	5	5
Magnesium	ppm	ASTM D5185m	5	<1	0	0
Calcium	ppm	ASTM D5185m	125	58	31	37
Phosphorus	ppm	ASTM D5185m	290	287	260	260
Zinc	ppm	ASTM D5185m	10	7	<1	0
Sulfur	ppm	ASTM D5185m	400	299	313	455

CONTAMINANTS

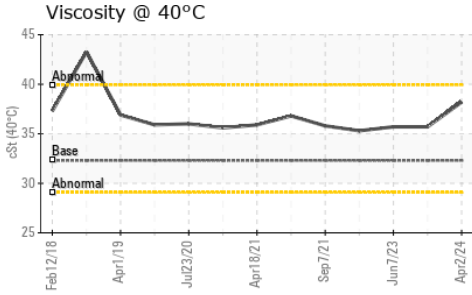
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	13	9	9
Sodium	ppm	ASTM D5185m		14	11	10
Potassium	ppm	ASTM D5185m	>20	7	5	4

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	▲ MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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



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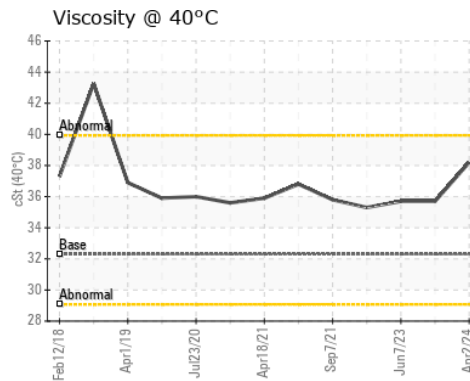
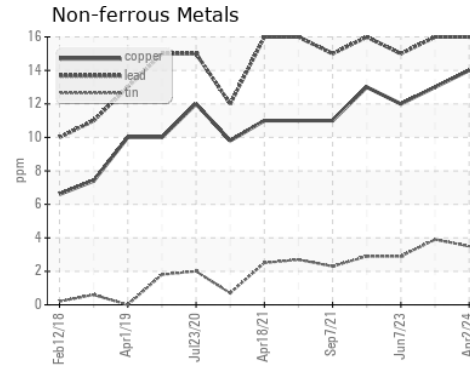
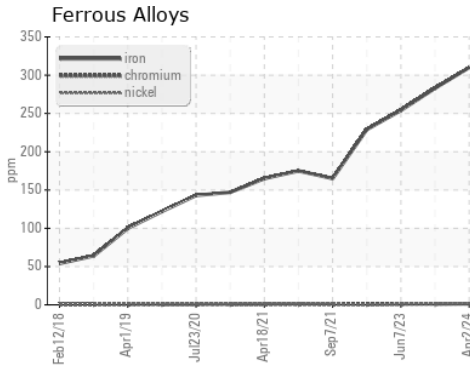
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	32.3	38.2	35.7	35.7
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	no image	no image	no image
Bottom	no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ARI0007309
Lab Number : **06141839**
Unique Number : 10966647
Test Package : CONST

Received : 08 Apr 2024
Tested : 09 Apr 2024
Diagnosed : 10 Apr 2024 - Don Baldrige

INSITUFORM TECHNOLOGIES, INC
 17988 EDISON AVE.
 CHESTERFIELD, MO
 US 63005

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 ARIICHTER@INSITUFORM.COM
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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)