



WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
2H28
Machine Id
KENWORTH T378 RTK6006 (S/N 2NKHLJ0X7JM200664)
Component
Transmission (Auto)
Fluid
DEXRON III (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ARI0007315	ARI0004585	ARI0004609
Sample Date		Client Info		01 Feb 2024	28 Jul 2023	15 Sep 2022
Machine Age	mls	Client Info		118060	109163	93535
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	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>325	213	190	189
Chromium	ppm	ASTM D5185m	>2	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>75	29	29	28
Lead	ppm	ASTM D5185m	>40	8	8	9
Copper	ppm	ASTM D5185m	>50	10	8	10
Tin	ppm	ASTM D5185m	>10	2	3	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	10	9	10
Potassium	ppm	ASTM D5185m	>20	4	5	4
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		11	10	10
Boron	ppm	ASTM D5185m		104	88	114
Barium	ppm	ASTM D5185m		0	<1	<1
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		4	4	4
Magnesium	ppm	ASTM D5185m		0	2	0
Calcium	ppm	ASTM D5185m		52	50	58
Phosphorus	ppm	ASTM D5185m		284	274	311
Zinc	ppm	ASTM D5185m		0	2	6
Sulfur	ppm	ASTM D5185m		791	967	1095
Visc @ 40°C	cSt	ASTM D445	35.0	34.6	35.4	35.2

