OIL ANALYSIS REPORT

Sample Rating Trend

Jun2022   Jul2023   Jun2024
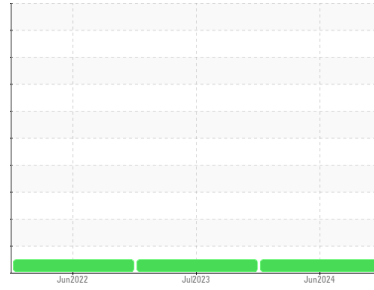
NORMAL

Area
OKLAHOMA
Machine Id
6794
Component
Transmission (Auto)
Fluid
CASTROL TRANSYND (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
All component wear rates are normal for time on oil..

Contamination
There is no indication of any contamination in the oil.

Fluid Condition
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0935472**	WC0825512	WC0696085
Sample Date		Client Info		**28 Jun 2024**	17 Jul 2023	25 Jun 2022
Machine Age	hrs	Client Info		**5999**	4390	2567
Oil Age	hrs	Client Info		**0**	4390	0
Oil Changed		Client Info		**Not Changd**	Not Changd	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL

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

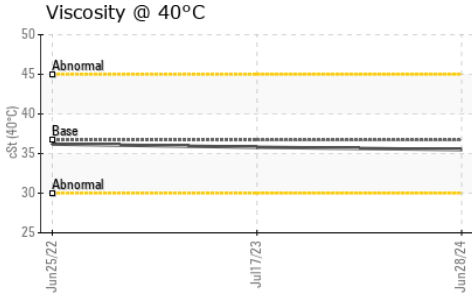| WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	**117**	100	73
Chromium	ppm	ASTM D5185m	>5	**<1**	<1	0
Nickel	ppm	ASTM D5185m	>5	**<1**	<1	<1
Titanium	ppm	ASTM D5185m		**<1**	0	0
Silver	ppm	ASTM D5185m	>5	**0**	0	0
Aluminum	ppm	ASTM D5185m	>50	**69**	54	38
Lead	ppm	ASTM D5185m	>50	**37**	34	32
Copper	ppm	ASTM D5185m	>225	**30**	21	13
Tin	ppm	ASTM D5185m	>10	**8**	7	5
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	133	**79**	97	97
Barium	ppm	ASTM D5185m	0	**0**	0	0
Molybdenum	ppm	ASTM D5185m	0	**<1**	<1	<1
Manganese	ppm	ASTM D5185m		**2**	2	2
Magnesium	ppm	ASTM D5185m	0	**2**	<1	0
Calcium	ppm	ASTM D5185m	27	**30**	40	30
Phosphorus	ppm	ASTM D5185m	293	**247**	245	262
Zinc	ppm	ASTM D5185m	0	**4**	4	<1
Sulfur	ppm	ASTM D5185m	1050	**711**	444	322

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**8**	7	5
Sodium	ppm	ASTM D5185m		**6**	6	6
Potassium	ppm	ASTM D5185m	>20	**6**	6	5

| 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	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

Viscosity @ 40°C

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	36.7	**35.5**	35.8	36.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS

Ferrous Alloys

Non-ferrous Metals

Viscosity @ 40°C
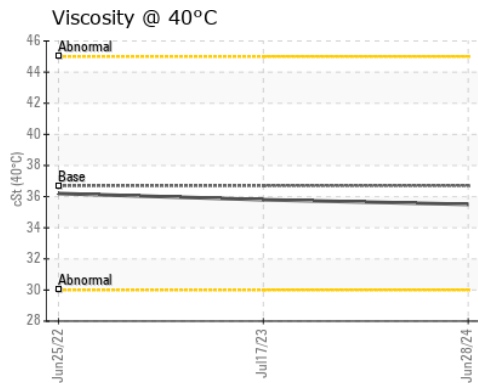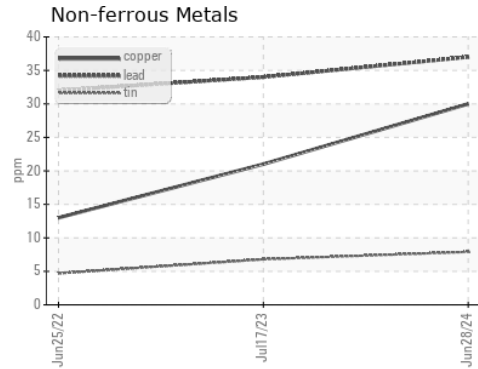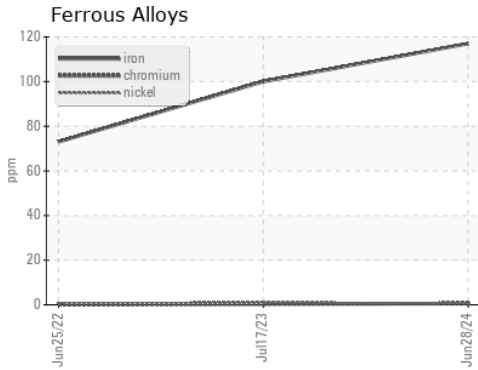
Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513	
Sample No. : WC0935472	**Received** : 11 Jul 2024
Lab Number : 06234125	**Tested** : 12 Jul 2024
Unique Number : 11122959	**Diagnosed** : 14 Jul 2024 - Don Baldridge
Test Package : FLEET	

LIBERTY DISPOSAL
6401 S EASTERN AVE
OKLAHOMA CITY, OK
US 73149
Contact: M Rutherford
M.Rutherford@ldi89.com
T:
F:

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)