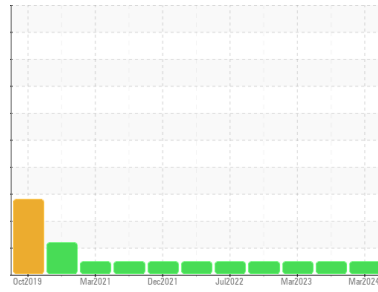


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DT643
 Component
Transmission (Auto)
 Fluid
COGNIS EMGARD 2805 ATF (15 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA0120017	PCA0107432	PCA0092517
Sample Date	Client Info			28 Mar 2024	16 Oct 2023	14 Mar 2023
Machine Age	mls	Client Info		237542	237542	211985
Oil Age	mls	Client Info		211985	0	145156
Oil Changed	Client Info			N/A	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL

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

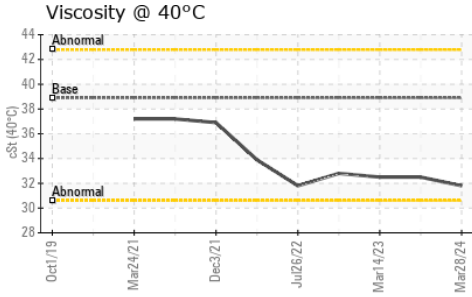
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	47	33	65
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	14	9	20
Lead	ppm	ASTM D5185m	>50	5	5	12
Copper	ppm	ASTM D5185m	>225	37	21	38
Tin	ppm	ASTM D5185m	>10	2	1	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		94	77	87
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	1	1
Calcium	ppm	ASTM D5185m		130	110	106
Phosphorus	ppm	ASTM D5185m		262	205	234
Zinc	ppm	ASTM D5185m		17	0	25
Sulfur	ppm	ASTM D5185m		1861	1702	1427

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	5	3	5
Sodium	ppm	ASTM D5185m		3	3	<1
Potassium	ppm	ASTM D5185m	>20	2	1	2

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	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
Free Water	scalar	*Visual		NEG	NEG	NEG

OIL ANALYSIS REPORT



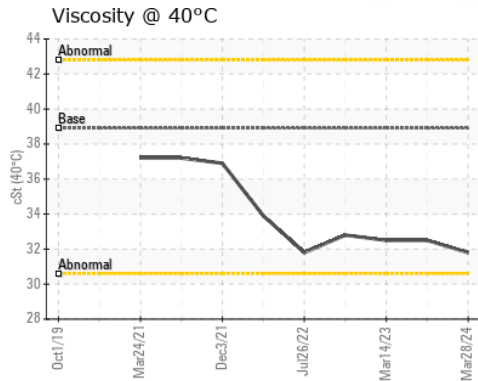
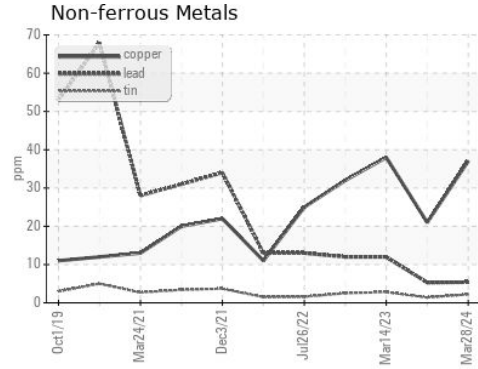
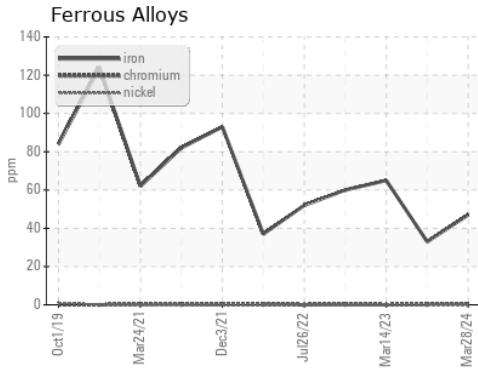
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	38.9	31.8	32.5	32.5

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		<i>no image</i>	<i>no image</i>	<i>no image</i>
Bottom		<i>no image</i>	<i>no image</i>	<i>no image</i>

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0120017
Lab Number : **06141844**
Unique Number : 10966652
Test Package : FLEET

Received : 08 Apr 2024
Tested : 09 Apr 2024
Diagnosed : 09 Apr 2024 - Wes Davis

NW WHITE & CO - COLUMBIA DIVISION
 100 INDEPENDENCE BLVD
 COLUMBIA, SC
 US 29210
 Contact: Paul Riddick
 PRiddick@nwwhite.com
 T: (803)750-6062
 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)