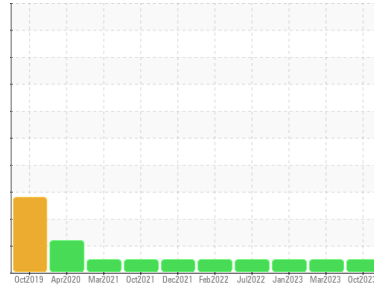


OIL ANALYSIS REPORT

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 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	PCA0107432	PCA0092517	PCA0087446	
Sample Date	Client Info	16 Oct 2023	14 Mar 2023	20 Jan 2023	
Machine Age	mls	Client Info	237542	211985	186661
Oil Age	mls	Client Info	0	145156	145156
Oil Changed	Client Info	Not Changed	Changed	Not Changed	
Sample Status		NORMAL	NORMAL	NORMAL	

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >160	33	65	60
Chromium	ppm	ASTM D5185m >5	<1	0	<1
Nickel	ppm	ASTM D5185m >5	<1	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m >5	0	0	0
Aluminum	ppm	ASTM D5185m >50	9	20	16
Lead	ppm	ASTM D5185m >50	5	12	12
Copper	ppm	ASTM D5185m >225	21	38	32
Tin	ppm	ASTM D5185m >10	1	3	2
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	77	87	96
Barium	ppm	ASTM D5185m	0	0	1
Molybdenum	ppm	ASTM D5185m	<1	<1	<1
Manganese	ppm	ASTM D5185m	0	<1	<1
Magnesium	ppm	ASTM D5185m	1	1	1
Calcium	ppm	ASTM D5185m	110	106	96
Phosphorus	ppm	ASTM D5185m	205	234	236
Zinc	ppm	ASTM D5185m	0	25	25
Sulfur	ppm	ASTM D5185m	1702	1427	1311

CONTAMINANTS

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

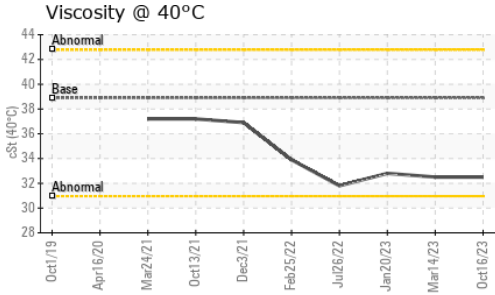
VISUAL

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	LIGHT	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

FLUID PROPERTIES

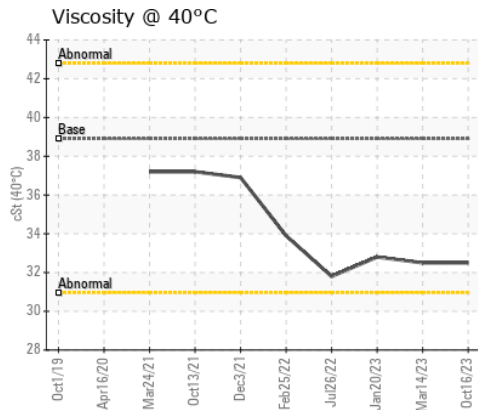
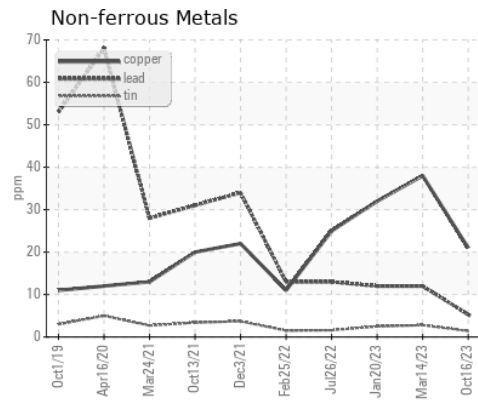
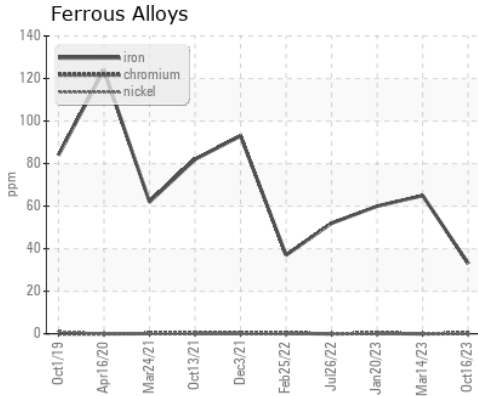
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 38.9	32.5	32.5	32.8

OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
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. : PCA0107432
Lab Number : 05983282
Unique Number : 10700577
Test Package : FLEET

Received : 18 Oct 2023
Diagnosed : 20 Oct 2023
Diagnostician : Sean Felton

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)