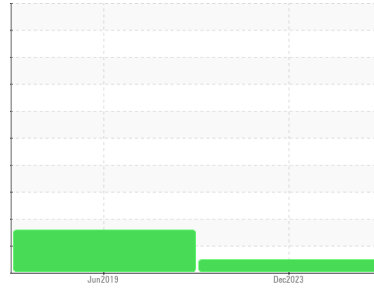


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
DT627
 Component
Transmission (Auto)
 Fluid
COGNIS EMGARD 2805 ATF (36 mls)

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			PCA0107452	PCAI-616431	---
Sample Date	Client Info			05 Dec 2023	15 Jun 2019	---
Machine Age	mls	Client Info		227166	75789	---
Oil Age	mls	Client Info		0	0	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

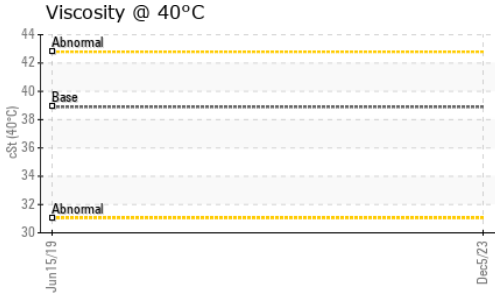
CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	73	▲ 160	---
Chromium	ppm	ASTM D5185m	>5	<1	0	---
Nickel	ppm	ASTM D5185m	>5	<1	1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>5	0	0	---
Aluminum	ppm	ASTM D5185m	>50	31	27	---
Lead	ppm	ASTM D5185m	>50	7	▲ 68	---
Copper	ppm	ASTM D5185m	>225	48	76	---
Tin	ppm	ASTM D5185m	>10	3	2	---
Antimony	ppm	ASTM D5185m		---	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		87	144	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		1	2	---
Magnesium	ppm	ASTM D5185m		2	2	---
Calcium	ppm	ASTM D5185m		111	117	---
Phosphorus	ppm	ASTM D5185m		256	404	---
Zinc	ppm	ASTM D5185m		0	9	---
Sulfur	ppm	ASTM D5185m		1658	---	---
Lithium	ppm	ASTM D5185m		---	0	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	6	8	---
Sodium	ppm	ASTM D5185m		5	9	---
Potassium	ppm	ASTM D5185m	>20	1	6	---

OIL ANALYSIS REPORT



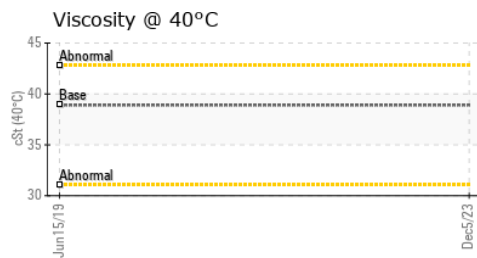
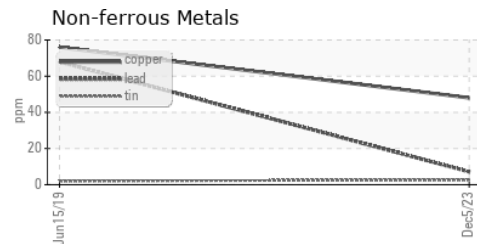
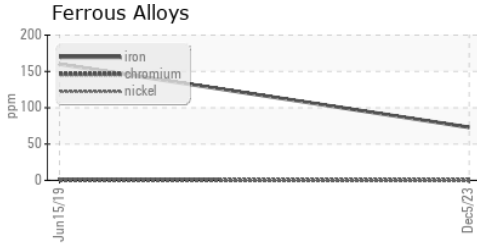
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

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

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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. : PCA0107452 **Received** : 07 Dec 2023
Lab Number : **06028236** **Diagnosed** : 10 Dec 2023
Unique Number : 10778027 **Diagnostician** : Don Baldrige
Test Package : FLEET

NW WHITE & CO - CHARLESTON DIVISION
 1940 HANAHAN RD
 CHARLESTON, SC
 US 29406
 Contact: TRIVON BAZZLE
 tbazzle@nwwhite.com

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)