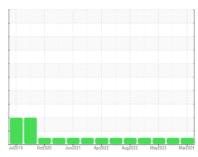


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id DT662

Component Transmission (Auto)

COGNIS EMGARD 2805 ATF (15 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

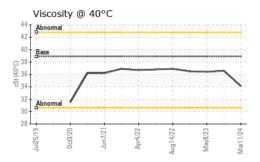
The condition of the fluid is acceptable for the time in service.

Sample Number	Sample Number			Jul2019	Oct2020 Jun2021	Apr2022 Aug2022 May2023	Mar2024	
Sample Number	Sample Number Client Info PCA0111594 PCA0101820 PCA0095292	SAMPLE INFORM	ΛΔΤΙΩΝ	method	limit/hase	current	history1	history2
Sample Date	Sample Date		ATION		IIIIII/Dase			
Machine Age	Machine Age mls Client Info 47964 47							
Oil Age	Oil Age							,
Oil Changed Client Info N/A N/A N/A NORMAL NORMAL NORMAL NORMAL	Oil Changed Client Info N/A N/A N/A NORMAL NORMAL NORMAL NORMAL							
NORMAL NORMAL NORMAL	NORMAL NORMAL NORMAL	•	mls					
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Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >160 24 81 80 Chromium ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Silver ppm ASTM D5185m >5 0 0 0 Aluminum ppm ASTM D5185m >50 7 24 21 Lead ppm ASTM D5185m >50 5 15 16 Copper ppm ASTM D5185m >22.5 16 46 41 Tin ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history	Water WC Method >0.1 NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >160 24 81 80 Chromium ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 0 0 Silver ppm ASTM D5185m >5 0 0 0 Aluminum ppm ASTM D5185m >50 7 24 21 Lead ppm ASTM D5185m >50 5 15 16 Copper ppm ASTM D5185m >50 5 15 16 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 <th>Sample Status</th> <th></th> <th></th> <th></th> <th>NORMAL</th> <th>NORMAL</th> <th>NORMAL</th>	Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >160 24 81 80 Chromium ppm ASTM D5185m >5 0 0 0 Nickel ppm ASTM D5185m >5 0 <1 0 Titanium ppm ASTM D5185m >50 0 0 0 Aluminum ppm ASTM D5185m >50 7 24 21 Lead ppm ASTM D5185m >50 5 15 16 Copper ppm ASTM D5185m >22.5 16 46 41 Tin ppm ASTM D5185m >10 0 2 <1 Vanadium ppm ASTM D5185m >10 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0	WEAR METALS	CONTAMINATI	ON	method	limit/base	current	history1	history2
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Nickel	Nickel ppm ASTM D5185m >5 0 <1	Iron	ppm	ASTM D5185m	>160	24	81	80
Titanium	Titanium	Chromium	ppm	ASTM D5185m	>5	0	0	0
Silver	Silver	Nickel	ppm	ASTM D5185m	>5	0	<1	0
Aluminum ppm ASTM D5185m 550 7 24 21 Lead ppm ASTM D5185m >50 5 15 16 Copper ppm ASTM D5185m >22.5 16 46 41 Tin ppm ASTM D5185m 0 0 0 0 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 3 0 0 0 Manganese ppm ASTM D5185m 0 <1 0 0 Qalcium ppm ASTM D5185m 10 8 4 4 Cal	Aluminum	Titanium	ppm	ASTM D5185m		0	0	0
Lead ppm ASTM D5185m >50 5 15 16 Copper ppm ASTM D5185m >22.25 16 46 41 Tin ppm ASTM D5185m >10 0 2 <1	Lead ppm ASTM D5185m >50 5 15 16 Copper ppm ASTM D5185m >22.25 16 46 41 Tin ppm ASTM D5185m >10 0 2 <1	Silver	ppm	ASTM D5185m	>5	0	0	0
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Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 107 122 105 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 3 0 0 Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 10 8 4 Calcium ppm ASTM D5185m 177 82 50 Phosphorus ppm ASTM D5185m 300 329 295 Zinc ppm ASTM D5185m 64 84 54 Sulfur ppm ASTM D5185m 1951 807 702 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 20 3 5 </th <th>Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 107 122 105 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 3 0 0 Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 10 8 4 Calcium ppm ASTM D5185m 177 82 50 Phosphorus ppm ASTM D5185m 300 329 295 Zinc ppm ASTM D5185m 64 84 54 Sulfur ppm ASTM D5185m 1951 807 702 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 20 3 5</th> <th>Tin</th> <th>ppm</th> <th>ASTM D5185m</th> <th>>10</th> <th>0</th> <th>2</th> <th><1</th>	Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 107 122 105 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 3 0 0 Manganese ppm ASTM D5185m 0 <1 0 Magnesium ppm ASTM D5185m 10 8 4 Calcium ppm ASTM D5185m 177 82 50 Phosphorus ppm ASTM D5185m 300 329 295 Zinc ppm ASTM D5185m 64 84 54 Sulfur ppm ASTM D5185m 1951 807 702 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m 20 3 5	Tin	ppm	ASTM D5185m	>10	0	2	<1
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Sulfur ppm ASTM D5185m 1951 807 702 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 3 5 4 Sodium ppm ASTM D5185m 2 5 4 Potassium ppm ASTM D5185m >20 0 2 <1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE	Sulfur ppm ASTM D5185m 1951 807 702 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 3 5 4 Sodium ppm ASTM D5185m 2 5 4 Potassium ppm ASTM D5185m >20 0 2 <1 VISUAL method limit/base current history1 history2 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual 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 <th></th> <th></th> <th>ASTM D5185m</th> <th></th> <th></th> <th></th> <th>54</th>			ASTM D5185m				54
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Precipitate scalar *Visual NONE NONE NONE NONE	Precipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONE		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	Yellow Metal	scalar		NONE	NONE	NONE	NONE
	Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONE	Precipitate	scalar	*Visual		NONE	NONE	NONE
	Sand/Dirt scalar *Visual NONE NONE NONE NONE	Silt	scalar	*Visual	NONE	NONE		NONE
			scalar					
Sand/Dirt scalar *Visual NONE NONE NONE NONE	Appearance scalar *Visual NORML NORML NORML NORML NORML	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
11		• •	scalar			NORML		NORML
Odor scalar *Visual NORML NORML NORML NORML	Odor scalar *Visual NORML NORML NORML NORML		scalar	*Visual	NORML			NORML
		Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Emulsified Water scalar *Visual >0.1 NEG NEG NEG		Free Water	scalar	*Visual		NEG	NEG	NEG
	E 120 134 1 1 410 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1				>0.1			
Emulsified Water scalar *Visual >0.1 NEG NEG NEG		Free Water 3:36:18) Rev: 1	scalar	visual		NEG		NEG :: DAVID WEBB

Submitted By: DAVID WEBB

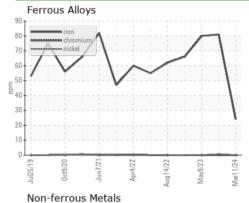


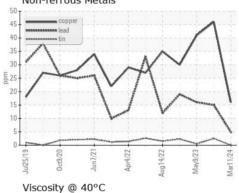
OIL ANALYSIS REPORT

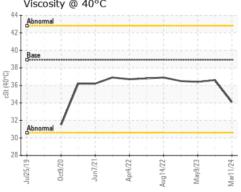


Visc @ 40°C cSt	ASTM D445		34.1	36.6	36.4
SAMPLE IMAGES	method				0011
		limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS











Certificate 12367

Laboratory

Sample No. : PCA0111594 Lab Number : 06158184

Unique Number : 10993607 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 23 Apr 2024 **Tested** : 24 Apr 2024 Diagnosed

: 24 Apr 2024 - Wes Davis

1491 YENMASSEE HIGHWAY VARNVILLE, SC US 29944

Contact: VINCENT BULLOCK bullockvince514@gmail.com T:

NW WHITE & CO - BEAUFORT DIVISION

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)

F: