

OIL ANALYSIS REPORT





Component Transmission (Auto) Fluid COGNIS EMGARD 2805 ATF (--- QTS)

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.

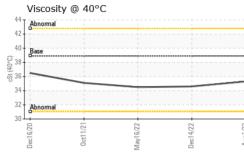
Fluid Condition

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

SAMPLE INFORI	MAT <u>IO</u> N	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0100061	PCA0087404	PCA0074198
Sample Date		Client Info		01 Aug 2023	14 Dec 2022	16 May 2022
Machine Age	mls	Client Info		178627	120881	120881
Oil Age	mls	Client Info		29462	71526	75000
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	43	76	54
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	14	18	14
Lead	ppm	ASTM D5185m	>50	18	40	33
Copper	ppm	ASTM D5185m	>225	47	86	52
Tin	ppm	ASTM D5185m	>10	<1	2	2
Antimony	ppm	ASTM D5185m				
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		118	194	225
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		3	3	0
Calcium	ppm	ASTM D5185m		128	122	131
Phosphorus	ppm	ASTM D5185m		312	540	447
Zinc	ppm	ASTM D5185m		16	37	19
Sulfur	ppm	ASTM D5185m		2544	2183	2074
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	5	5
Sodium	ppm	ASTM D5185m		4	7	7
Potassium	ppm	ASTM D5185m	>20	<1	0	0
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
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	VLITE
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



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	FLUID PROP	ERTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	38.9	35.3	34.6	34.5
	SAMPLE IMA	GES	method	limit/base	current	history1	history2
3	Color				no image	no image	no image
Dec14/22 Aug1/23	Bottom				no image	no image	no image
	GRAPHS Ferrous Alloys						
	ron ron rickel		\wedge				
	50 <u><u><u></u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> </u>			\mathbf{i}			
	20 - 10 -						
	0 Dec16/20	May16/22	Dec14/22	Aug1/23			
	Non-ferrous Met	als	<u>^</u>				
	80 - copper 70 - copper lead		$\langle \rangle$				
	60 -	/					
	E 40		and the second se				
	30	and and the state of the state					
	20						
	51 50	22	22	53			
	Dec16/20 Oct11/21	May16/22	Dec14/22	Aug1/23			
	Viscosity @ 40°0						
	Abnormal						
	42						
	40 Base						
	(j_ 38 36						
	34						
	22						
	30 Abnormal						
	Dec16/20 Oct11/21	May16/22	Dec14/22	Aug1/23 -			
	_						
Laboratory Sample No. Lab Number Unique Number Test Package	: WearCheck USA - : PCA0100061 : 05918962 : 10590876 : FLEET	Receive Diagnos Diagnos	d : 08 ed : 10	Aug 2023 Aug 2023 nathan Heste	r	400	



Test Package : FLEET Certificate L2367 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)

Report Id: HKSWES [WUSCAR] 05918962 (Generated: 08/10/2023 09:26:42) Rev: 1

Submitted By: Paul Riddick Page 2 of 2

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