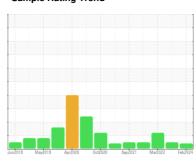


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id DT33
Component

Transmission (Auto)

COGNIS EMGARD 2805 ATF (15 mls)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the fluid.

Fluid Condition

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

OAMBLE INCOM	4 A T! O ! !		11 1. 1			
SAMPLE INFORM	IA HON	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104205	PCA0104125	PCA0071349
Sample Date		Client Info		02 Feb 2024	31 Aug 2023	31 Mar 2022
Machine Age	mls	Client Info		302303	287410	231462
Oil Age	mls	Client Info		75000	75000	75000
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINATION	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	78	59	56
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	<1	0	<1
Aluminum	ppm	ASTM D5185m	>50	29	25	15
Lead	ppm	ASTM D5185m	>50	6	5	8
Copper	ppm	ASTM D5185m	>225	24	19	27
Tin	ppm	ASTM D5185m	>10	2	<1	1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		112	115	83
Barium	ppm	ASTM D5185m		0	7	0
Molybdenum	ppm	ASTM D5185m		4	3	<1
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m		24	28	0
Calcium	ppm	ASTM D5185m		105	113	101
Phosphorus	ppm	ASTM D5185m		309	331	241
Zinc	ppm	ASTM D5185m		55	64	6
Sulfur	ppm	ASTM D5185m		1796	1889	1147
CONTAMINANT	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	7	6	4
Sodium	ppm	ASTM D5185m		0	2	3
Potassium	ppm	ASTM D5185m	>20	2	1	0
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	▲ MODER	NONE	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
- 144 .		40.71			-0-1- 11 15	D := I=D1 I II I

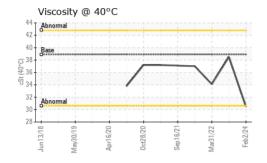
NEG

scalar *Visual

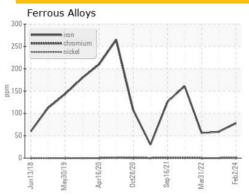
SECmitted By: PaECRiddick

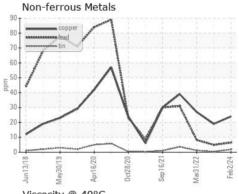


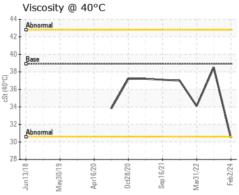
OIL ANALYSIS REPORT



FLUID PROPE	ERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	38.9	30.5	38.5	34.1
SAMPLE IMA	GES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						









Laboratory Sample No.

: PCA0104205 Lab Number : 06091352 Unique Number : 10884205 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Feb 2024 **Tested** : 19 Feb 2024

Diagnosed : 19 Feb 2024 - Don Baldridge

HK STEELE INC 400 N PARSON ST WEST COLUMBIA, SC

US 29169

Contact: GEORGE EDWARDS gedwards@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)

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