



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
DT33
 Component
Transmission (Auto)
 Fluid
COGNIS EMGARD 2805 ATF (15 mls)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0110898	PCA0104205	PCA0104125
Sample Date		Client Info		22 Feb 2024	02 Feb 2024	31 Aug 2023
Machine Age	mls	Client Info		304214	302303	287410
Oil Age	mls	Client Info		75000	75000	75000
Filter Age	mls	Client Info		75000	75000	75000
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	28	78	59
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>5	0	<1	0
Aluminum	ppm	ASTM D5185m	>50	14	29	25
Lead	ppm	ASTM D5185m	>50	2	6	5
Copper	ppm	ASTM D5185m	>225	9	24	19
Tin	ppm	ASTM D5185m	>10	0	2	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

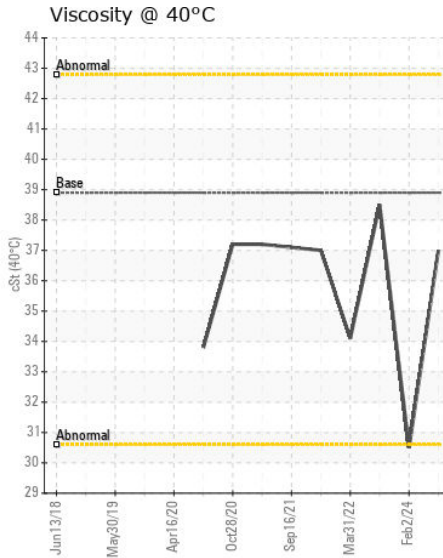
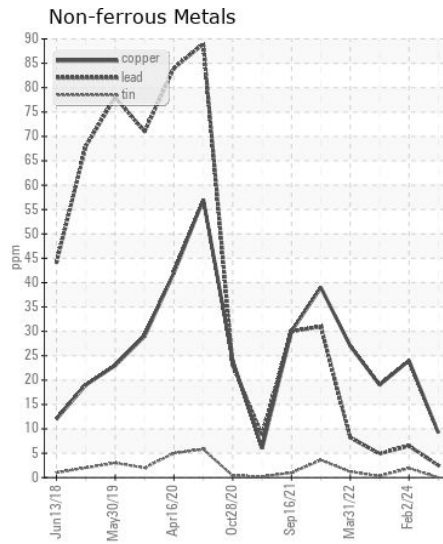
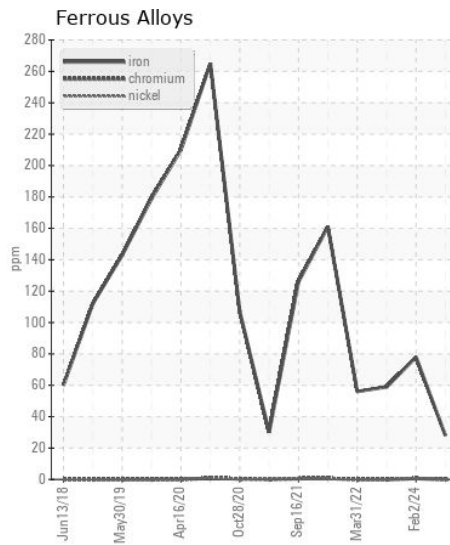
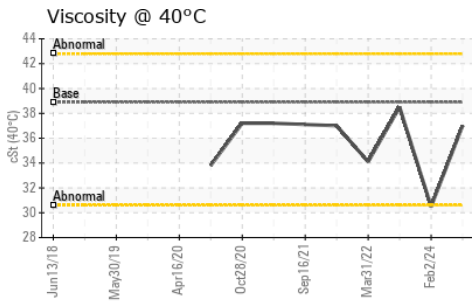
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	4	7	6
Potassium	ppm	ASTM D5185m	>20	0	2	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	0	2
Boron	ppm	ASTM D5185m		108	112	115
Barium	ppm	ASTM D5185m		0	0	7
Molybdenum	ppm	ASTM D5185m		<1	4	3
Manganese	ppm	ASTM D5185m		<1	2	<1
Magnesium	ppm	ASTM D5185m		6	24	28
Calcium	ppm	ASTM D5185m		108	105	113
Phosphorus	ppm	ASTM D5185m		235	309	331
Zinc	ppm	ASTM D5185m		12	55	64
Sulfur	ppm	ASTM D5185m		1785	1796	1889
Visc @ 40°C	cSt	ASTM D445	38.9	37.0	30.5	38.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0110898
Lab Number : 06100532
Unique Number : 10898762
Test Package : FLEET
Received : 26 Feb 2024
Tested : 27 Feb 2024
Diagnosed : 27 Feb 2024 - Wes Davis

HK STEEL 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)

T:
F: