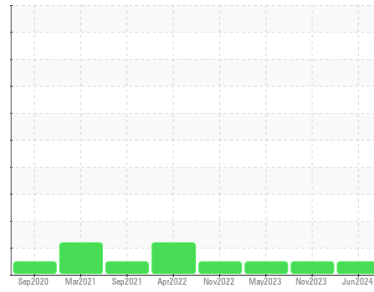


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**

Machine Id  
**DT38**  
 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 INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0116154</b>	PCA0090320	PCA0098262
Sample Date	Client Info		<b>27 Jun 2024</b>	07 Nov 2023	08 May 2023
Machine Age	mls	Client Info	<b>210975</b>	179319	155169
Oil Age	mls	Client Info	<b>210975</b>	75000	155169
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	<b>74</b>	56	120
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >50	<b>17</b>	14	27
Lead	ppm	ASTM D5185m >50	<b>22</b>	22	54
Copper	ppm	ASTM D5185m >225	<b>35</b>	25	46
Tin	ppm	ASTM D5185m >10	<b>3</b>	2	4
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>100</b>	123	170
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m	<b>2</b>	2	2
Calcium	ppm	ASTM D5185m	<b>171</b>	136	127
Phosphorus	ppm	ASTM D5185m	<b>300</b>	300	444
Zinc	ppm	ASTM D5185m	<b>26</b>	0	0
Sulfur	ppm	ASTM D5185m	<b>2003</b>	2036	2861

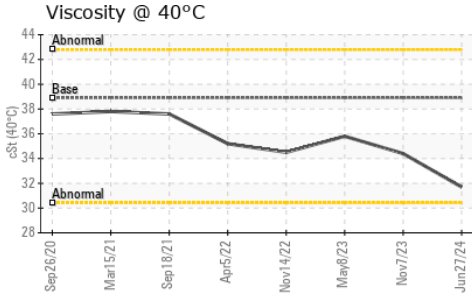
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>5</b>	4	5
Sodium	ppm	ASTM D5185m	<b>3</b>	5	11
Potassium	ppm	ASTM D5185m >20	<b>3</b>	2	4

### VISUAL

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

# OIL ANALYSIS REPORT



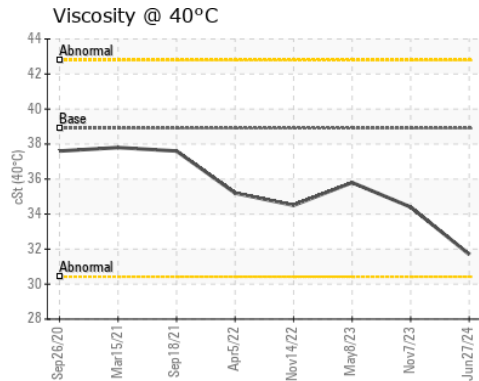
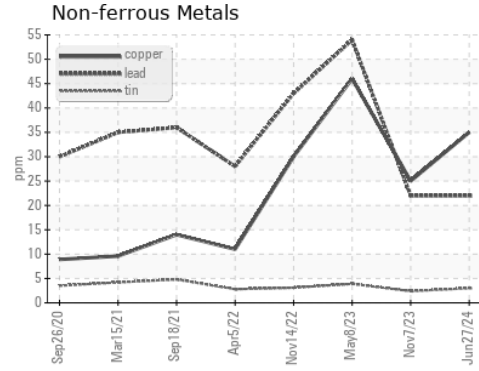
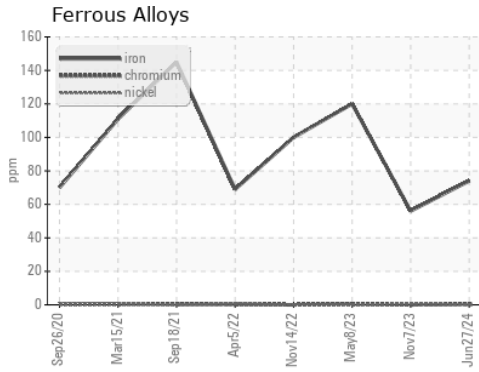
### FLUID PROPERTIES

	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	38.9	<b>31.7</b>	34.4	35.8

### SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0116154      **Received** : 01 Jul 2024  
**Lab Number** : **06224919**      **Tested** : 02 Jul 2024  
**Unique Number** : 11103116      **Diagnosed** : 02 Jul 2024 - Wes Davis  
**Test Package** : FLEET

**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)

T:  
F: