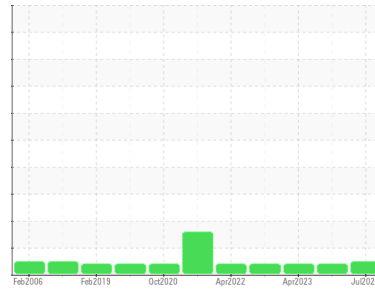




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

705

Machine Id

705300ADRV0001-AGT DRIVE (S/N 10010018)

Component

Gearbox

Fluid

GEAR OIL ISO 680 (--- GAL)

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 oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0832669	WC0690831	WC0690756
Sample Date	Client Info		15 Jul 2024	17 Oct 2023	13 Apr 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	Not Changd	Not Changd
Sample Status			NORMAL	ATTENTION	ATTENTION

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	107	63	56
Chromium	ppm	ASTM D5185m >15	<1	<1	<1
Nickel	ppm	ASTM D5185m >15	0	<1	<1
Titanium	ppm	ASTM D5185m	<1	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	2	6	5
Lead	ppm	ASTM D5185m >100	0	0	<1
Copper	ppm	ASTM D5185m >200	47	17	9
Tin	ppm	ASTM D5185m >25	<1	2	0
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 50	6	13	13
Barium	ppm	ASTM D5185m 15	0	1	0
Molybdenum	ppm	ASTM D5185m 15	<1	0	<1
Manganese	ppm	ASTM D5185m	<1	1	1
Magnesium	ppm	ASTM D5185m 50	0	9	7
Calcium	ppm	ASTM D5185m 50	2	13	10
Phosphorus	ppm	ASTM D5185m 350	92	501	440
Zinc	ppm	ASTM D5185m 100	0	28	25
Sulfur	ppm	ASTM D5185m 12500	7347	6671	6670

CONTAMINANTS

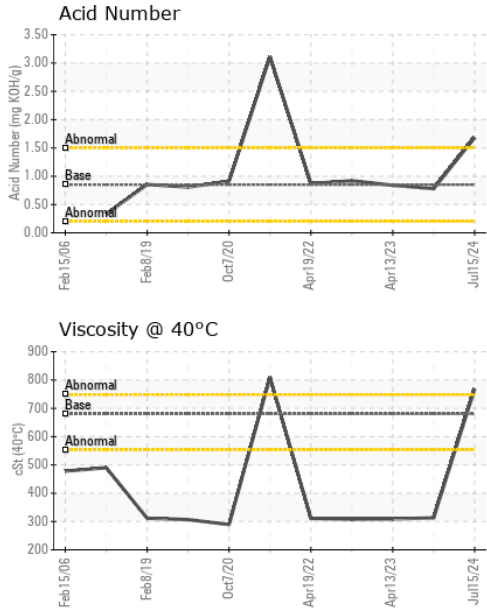
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	4	9	7
Sodium	ppm	ASTM D5185m	1	2	0
Potassium	ppm	ASTM D5185m >20	<1	2	1

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	1.68	0.78	0.84



OIL ANALYSIS REPORT

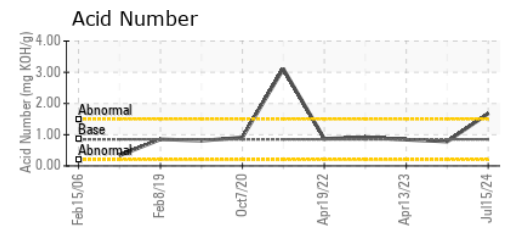
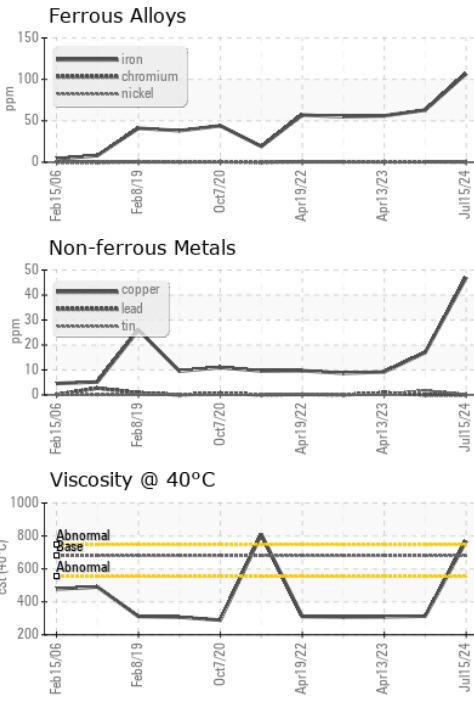


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 680	768	313	309

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0832669 **Received** : 18 Jul 2024
Lab Number : **06240505** **Tested** : 19 Jul 2024
Unique Number : 11129339 **Diagnosed** : 20 Jul 2024 - Don Baldrige
Test Package : IND 2

DCL
 1506 BUSHY PARK RD.
 GOOSE CREEK, SC
 US 29445
 Contact: David Vidia
 DVidia@pigments.com
 T: (843)820-6834
 F: x:

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)