



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
ROBERT W TAYLOR
Machine Id
[ROBERT W TAYLOR] 006 568680-6
Component
Starboard Reduction Gear
Fluid
SHELL ROTELLA T 40 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The copper level is abnormal. All other component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

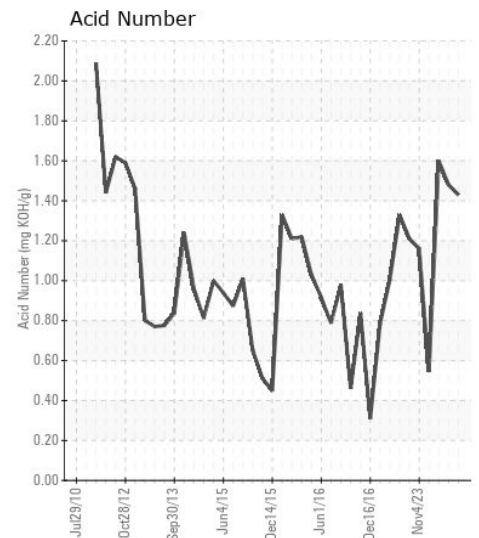
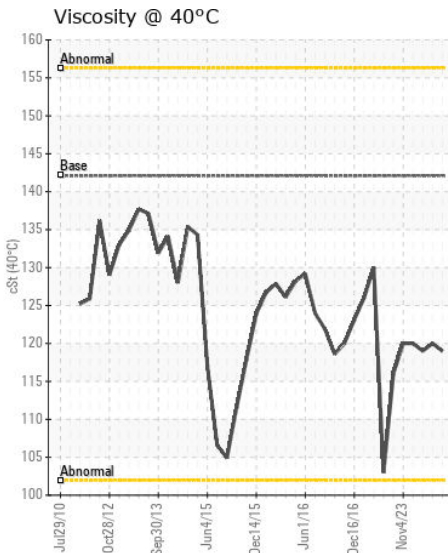
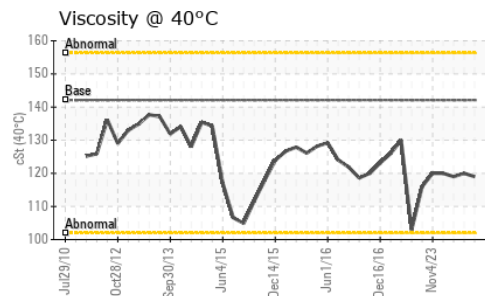
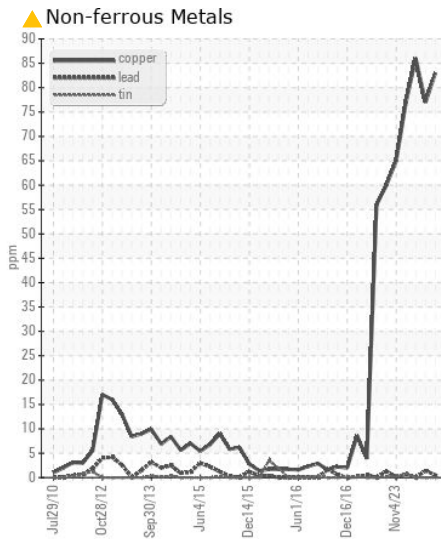
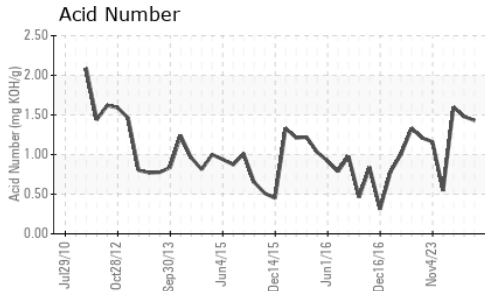
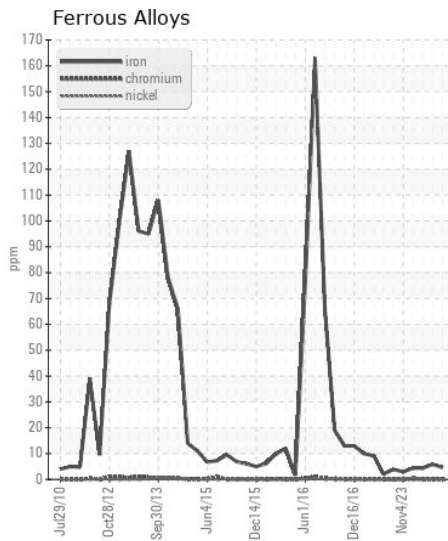
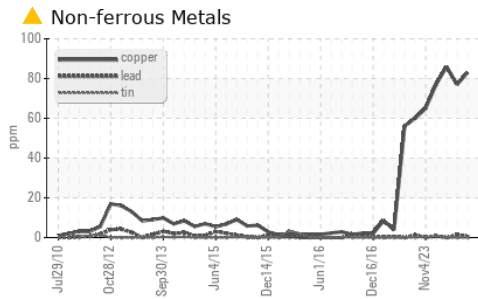
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0062962	MW0062964	MW0063121
Sample Date		Client Info		02 May 2024	01 Mar 2024	02 Jan 2024
Machine Age	hrs	Client Info		17505	16992	16482
Oil Age	hrs	Client Info		224	1586	1122
Filter Age	hrs	Client Info		224	1586	1122
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

Iron	ppm	ASTM D5185m	>150	5	6	4
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	2
Lead	ppm	ASTM D5185m	>100	<1	1	0
Copper	ppm	ASTM D5185m	>50	▲ 83	▲ 77	▲ 86
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	2	2	4
Potassium	ppm	ASTM D5185m	>20	<1	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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

Sodium	ppm	ASTM D5185m		2	2	0
Boron	ppm	ASTM D5185m	0	41	34	47
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	96	93	108
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	432	44	41	49
Calcium	ppm	ASTM D5185m	1121	2584	2459	2503
Phosphorus	ppm	ASTM D5185m	996	1051	971	1046
Zinc	ppm	ASTM D5185m	881	1116	1107	1171
Sulfur	ppm	ASTM D5185m		3862	3283	3578
Acid Number (AN)	mg KOH/g	ASTM D8045		1.43	1.48	1.60
Visc @ 40°C	cSt	ASTM D445	142.1	119	120	119



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : MW0062962

Lab Number : 06174697

Unique Number : 11020750

Test Package : MAR 2

Received : 09 May 2024

Tested : 10 May 2024

Diagnosed : 13 May 2024 - Don Baldrige

INGRAM BARGE

900 S 3RD ST

PADUCAH, KY

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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)