



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
TWIN DISC MV JL BRADEN

Component
Starboard Reduction Gear

Fluid
SAE 10W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

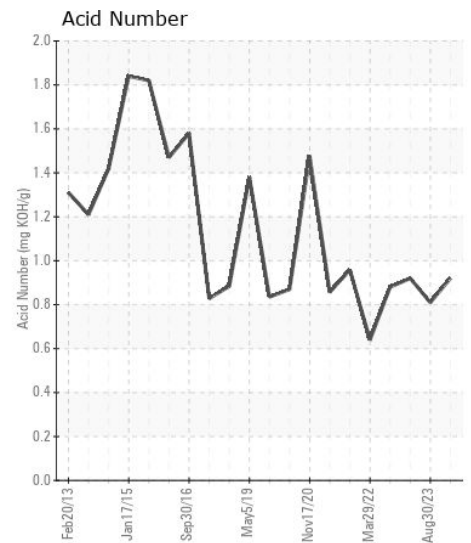
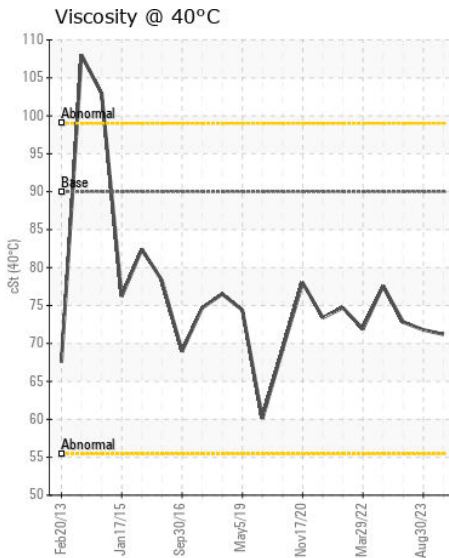
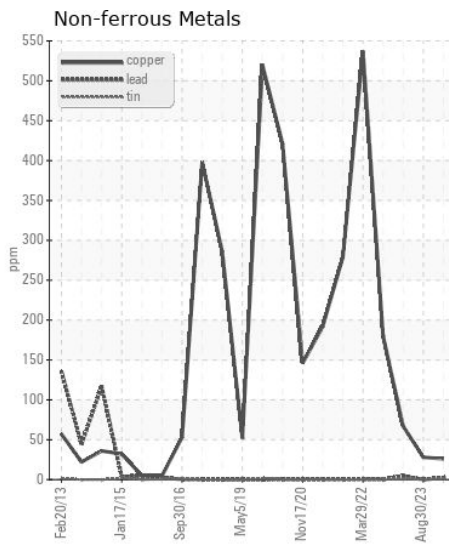
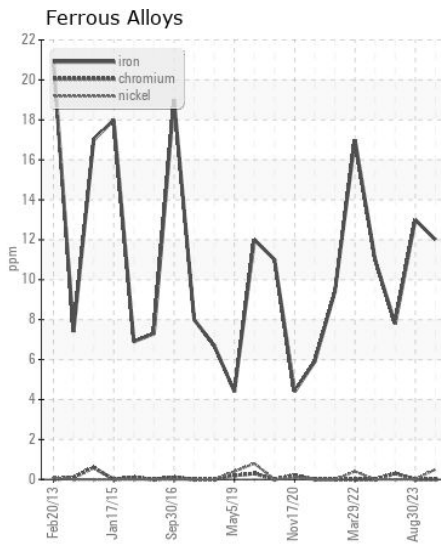
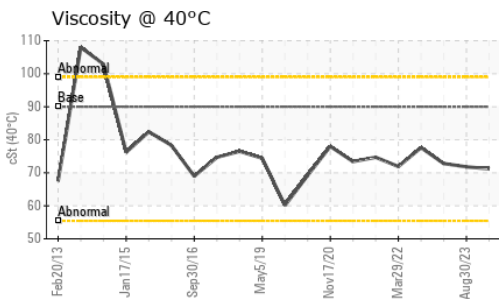
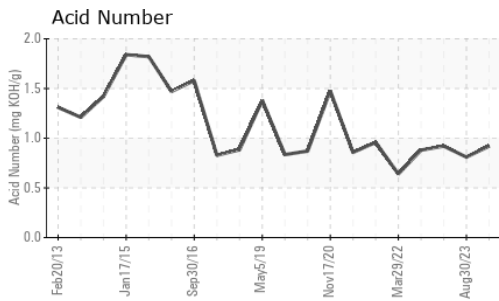
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0045609	MW0039004	MW0036763
Sample Date		Client Info		27 Jan 2024	30 Aug 2023	19 Dec 2022
Machine Age	hrs	Client Info		88900	86505	82483
Oil Age	hrs	Client Info		2000	2000	2000
Filter Age	hrs	Client Info		2000	2000	2000
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	MARGINAL

Iron	ppm	ASTM D5185m	>150	12	13	8
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	4	3	1
Lead	ppm	ASTM D5185m	>100	2	0	5
Copper	ppm	ASTM D5185m	>50	26	28	▲ 67
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	6	6	6
Potassium	ppm	ASTM D5185m	>20	7	7	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	MODER
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	>401	8	3	6
Boron	ppm	ASTM D5185m		315	331	372
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		113	112	132
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m		658	626	631
Calcium	ppm	ASTM D5185m		1401	1456	1509
Phosphorus	ppm	ASTM D5185m		788	817	781
Zinc	ppm	ASTM D5185m		893	921	813
Sulfur	ppm	ASTM D5185m		2663	3280	2606
Acid Number (AN)	mg KOH/g	ASTM D8045		0.92	0.81	0.92
Visc @ 40°C	cSt	ASTM D445	90.0	71.2	71.8	72.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0045609 **Received** : 01 Feb 2024
Lab Number : 06077780 **Diagnosed** : 02 Feb 2024
Unique Number : 10859871 **Diagnostician** : Wes Davis
Test Package : MAR 2

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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