WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

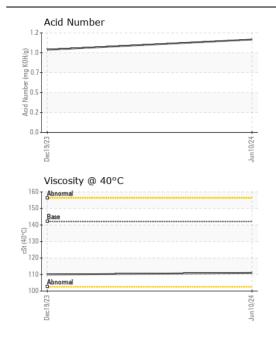
Machine Id

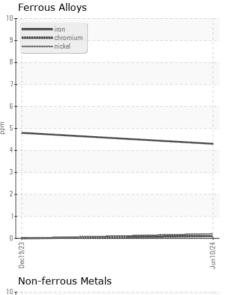
TWIN DISC FRANCES SWAYZE

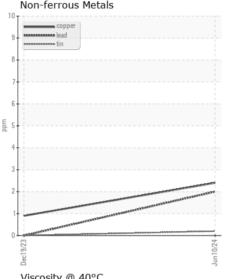
Starboard Reduction Gear

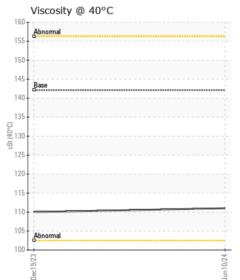
SHELL ROTELLA T 40 (10 GAL)

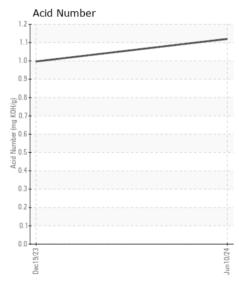
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		MW06218404	MW0056778	
	Sample Date		Client Info		10 Jun 2024	19 Dec 2023	
	Machine Age	hrs	Client Info		0	33901	
	Oil Age	hrs	Client Info		0	260	
	Filter Age	hrs	Client Info		0	260	
	Oil Changed		Client Info		N/A	Not Changd	
	Filter Changed		Client Info		N/A	U	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>200	4	5	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	<1	0	
	Nickel	ppm	ASTM D5185m	>10	<1	0	
	Titanium	ppm	ASTM D5185m		1	1	
	Silver	ppm	ASTM D5185m		<1	0	
	Aluminum	ppm	ASTM D5185m		2	<1	
	Lead	ppm	ASTM D5185m		2	0	
	Copper	ppm	ASTM D5185m		2	<1	
	Tin	ppm	ASTM D5185m		<1	0	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		4	3	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	4	2	
	Water		WC Method	>0.2	NEG	NEG	
	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	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	3	
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m	0	49	62	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m	0	87	77	
	Manganese	ppm	ASTM D5185m		<1	0	
	Magnesium	ppm	ASTM D5185m	432	215	261	
	Calcium	ppm	ASTM D5185m	1121	2465	2084	
	Phosphorus	ppm	ASTM D5185m	996	881	805	
	Zinc	ppm	ASTM D5185m	881	992	877	
	Sulfur	ppm	ASTM D5185m		4172	3759	
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.12	0.997	













Certificate L2367

Laboratory Sample No.

Lab Number : 06218404 Unique Number : 11096601 Test Package : MAR 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : MW06218404 Received : 24 Jun 2024 **Tested**

Diagnosed

: 25 Jun 2024 : 25 Jun 2024 - Wes Davis

MAGNOLIA MARINE TRANSPORT

697 HAINING ROAD VICKSBURG, MS US 39183

Contact: MMT MAINTENANCE PLANNERS mmtmaintenanceplanners@ergon.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)

F: (601)638-8028

T: x: