

OIL ANALYSIS REPORT



Machine Id

GAILFORCE 3584016

Starboard Gearbox

DEXRON III (--- GAL)

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The condition of the oil is acceptable for the time in service.

Machine Age hrs Client Info 297					Apr2024		
Sample Number Client Info WA0020871							
Sample Date Client Info 13 Apr 2024	SAMPLE INFORM	MATION	method				history2
Machine Age	Sample Number		Client Info		WA0020871		
Oil Age hrs Client Info Not Changed	Sample Date		Client Info		13 Apr 2024		
Oil Changed Client Info Not Changed Sample Status NORMAL Sample Status S	Machine Age	hrs	Client Info		297		
Sample Status	Oil Age	hrs	Client Info		0		
Water WC Method Solution Solution Wester WC Method Solution Solution Wester WC Method Solution Solution Wester WC Method Solution Solution Solution Wester WEAR METALS method limit/base current history1 history2 wester Solution Solutio	Oil Changed		Client Info		Not Changd		
Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >200 9 Chromium ppm ASTM D5185(m) >10 0 Nickel ppm ASTM D5185(m) >10 0 Titanium ppm ASTM D5185(m) >25 0 Silver ppm ASTM D5185(m) >25 0 Aluminum ppm ASTM D5185(m) >20 3 Aluminum ppm ASTM D5185(m) >20 3 Lead ppm ASTM D5185(m) >10 0 Copper ppm ASTM D5185(m) >5 0 Vandium ppm ASTM D5185(m) 0 <t< td=""><td>Sample Status</td><td></td><td></td><td></td><td>NORMAL</td><td></td><td></td></t<>	Sample Status				NORMAL		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185(m) >200 9 Chromium ppm ASTM D5185(m) >10 0 Nickel ppm ASTM D5185(m) >10 0 Silver ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >25 0 Aluminum ppm ASTM D5185(m) >50 4 Lead ppm ASTM D5185(m) >200 3 Copper ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) >5 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0	CONTAMINATIO	N	method	limit/base	current	history1	history2
Iron	Water		WC Method	>0.2	NEG		
Chromium ppm ASTM D5185(m) >10 0 Nickel ppm ASTM D5185(m) >10 0 Titanium ppm ASTM D5185(m) 0 Silver ppm ASTM D5185(m) 0 Aluminum ppm ASTM D5185(m) >20 3 Lead ppm ASTM D5185(m) >50 4 Copper ppm ASTM D5185(m) >200 3 Antimony ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 <td>WEAR METALS</td> <td></td> <td>method</td> <td>limit/base</td> <td>current</td> <td>history1</td> <td>history2</td>	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185(m)	>200	9		
Titanium	Chromium	ppm	ASTM D5185(m)	>10	0		
Silver	Nickel	ppm	ASTM D5185(m)	>10	0		
Aluminum	Titanium	ppm	ASTM D5185(m)		0		
Lead ppm ASTM D5185(m) >50 4 Copper ppm ASTM D5185(m) >200 3 Tin ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) >5 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 105 Barium ppm ASTM D5185(m) <1	Silver	ppm	ASTM D5185(m)		0		
Copper ppm ASTM D5185(m) >200 3 Tin ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) >5 0 Vanadium ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 105 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0 Barium ppm ASTM D5185(m) 0 Manganese ppm <	Aluminum	ppm	ASTM D5185(m)	>25	0		
Tin ppm ASTM D5185(m) >10 0 Antimony ppm ASTM D5185(m) >5 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 105 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Calcium ppm ASTM D5185(m) <1 Calcium ppm ASTM D5185(m) 78 Phosphorus ppm ASTM D5185(m) 221 Zinc ppm ASTM D5185(m) 4 Sulfur ppm ASTM D5185(m) 745 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 3 Sodium ppm ASTM D5185(m) >50 3	Lead	ppm	ASTM D5185(m)	>50	4		
Antimony ppm ASTM D5185(m) >5 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 105 Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) <1	Copper	ppm	ASTM D5185(m)	>200	3		
Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 105 Barium ppm ASTM D5185(m) <1 Molybdenum ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) <1 Magnesium ppm ASTM D5185(m) 78 Calcium ppm ASTM D5185(m) 221 Phosphorus ppm ASTM D5185(m) 745 Sulfur ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current	Tin	ppm	ASTM D5185(m)	>10	0		
Beryllium	Antimony	ppm	ASTM D5185(m)	>5	0		
Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 105 Barium ppm ASTM D5185(m) <1	Vanadium	ppm	ASTM D5185(m)		0		
ADDITIVES	Beryllium	ppm	ASTM D5185(m)		0		
Boron ppm ASTM D5185(m) 105	Cadmium	ppm	ASTM D5185(m)		0		
Barium ppm ASTM D5185(m) <1	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) <1 Calcium ppm ASTM D5185(m) 78 Phosphorus ppm ASTM D5185(m) 221 Zinc ppm ASTM D5185(m) 4 Sulfur ppm ASTM D5185(m) 745 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 3 Sodium ppm ASTM D5185(m) <1	Boron	ppm	ASTM D5185(m)		105		
Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) <1	Barium	ppm	ASTM D5185(m)		<1		
Magnesium ppm ASTM D5185(m) <1 Calcium ppm ASTM D5185(m) 78 Phosphorus ppm ASTM D5185(m) 221 Zinc ppm ASTM D5185(m) 4 Sulfur ppm ASTM D5185(m) 745 Lithium ppm ASTM D5185(m) <1	Molybdenum	ppm	ASTM D5185(m)		0		
Calcium ppm ASTM D5185(m) 78 Phosphorus ppm ASTM D5185(m) 221 Zinc ppm ASTM D5185(m) 4 Sulfur ppm ASTM D5185(m) 745 Lithium ppm ASTM D5185(m) <1	Manganese	ppm	ASTM D5185(m)		0		
Phosphorus ppm ASTM D5185(m) 221 Zinc ppm ASTM D5185(m) 4 Sulfur ppm ASTM D5185(m) 745 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 3 Sodium ppm ASTM D5185(m) <1	Magnesium	ppm	ASTM D5185(m)		<1		
Zinc ppm ASTM D5185(m) 4 Sulfur ppm ASTM D5185(m) 745 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 3 Sodium ppm ASTM D5185(m) <1	Calcium	ppm	ASTM D5185(m)		78		
Sulfur ppm ASTM D5185(m) 745 Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 3 Sodium ppm ASTM D5185(m) <1	Phosphorus	ppm	ASTM D5185(m)		221		
Lithium ppm ASTM D5185(m) <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 3 Sodium ppm ASTM D5185(m) <1	Zinc	ppm	ASTM D5185(m)		4		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 3 Sodium ppm ASTM D5185(m) <1	Sulfur	ppm	ASTM D5185(m)		745		
Silicon ppm ASTM D5185(m) >50 3 Sodium ppm ASTM D5185(m) <1	Lithium	ppm	ASTM D5185(m)		<1		
Sodium ppm ASTM D5185(m) <1	CONTAMINANTS	5	method	limit/base	current	history1	history2
Sodium ppm ASTM D5185(m) <1	Silicon	ppm	ASTM D5185(m)	>50	3		
Potassium ppm ASTM D5185(m) >20 <1	Sodium		ASTM D5185(m)		<1		
	Potassium	ppm	ASTM D5185(m)	>20	<1		

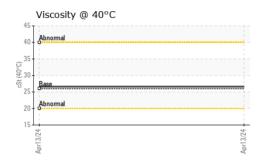


OIL ANALYSIS REPORT

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ASTM D7279(m) 26.0

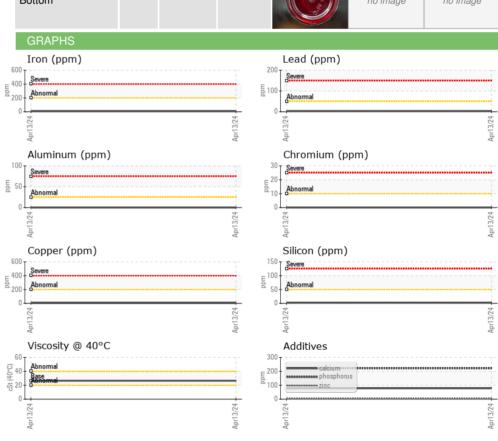
Visc @ 40°C



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

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

26.6





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Lab Number : 02630647 Unique Number : 5763779

: WA0020871

Received : 22 Apr 2024 **Tested** Diagnosed

: 22 Apr 2024 : 22 Apr 2024 - Wes Davis

Test Package : MOB 1 To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

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