

OIL ANALYSIS REPORT

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

Oil Age

Iron

Nickel

Silver

Lead

Tin

Copper

Vanadium

Cadmium

Boron

Barium

Molybdenum

Free Water

Titanium

Aluminum

Chromium

AMERICAN COUNTESS [AMERICAN COUNTESS] AMERICAN COUNTESS - Z DRIVE SB Component

Starboard Gearbox

MOBIL MOBILGEAR 600 XP ISO 150 (--- GAL)

DIAGNOSIS

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 component make and model with 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.



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Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	<1
Calcium	ppm	ASTM D5185m		8	9	8
Phosphorus	ppm	ASTM D5185m		290	270	269
Zinc	ppm	ASTM D5185m		4	6	3
Sulfur	ppm	ASTM D5185m		9796	9100	7982
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	1	1	2
Sodium	ppm	ASTM D5185m		<1	2	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.66	0.64	0.64
VISUAL		method	limit/base	current	history1	history2
VISUAL White Metal	scalar	method *Visual	limit/base	current	history1 MODER	history2 NONE
	scalar scalar					
White Metal		*Visual	NONE	NONE	MODER	NONE
White Metal Yellow Metal	scalar	*Visual *Visual	NONE NONE	NONE NONE	MODER NONE	NONE
White Metal Yellow Metal Precipitate	scalar scalar	*Visual *Visual *Visual	NONE NONE NONE	NONE NONE NONE	MODER NONE NONE	NONE NONE NONE
White Metal Yellow Metal Precipitate Silt	scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NONE NONE	NONE NONE NONE NONE	MODER NONE NONE NONE	NONE NONE NONE NONE
White Metal Yellow Metal Precipitate Silt Debris	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE	NONE NONE NONE NONE NONE	MODER NONE NONE NONE	NONE NONE NONE NONE
White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NONE	NONE NONE NONE NONE NONE NONE	MODER NONE NONE NONE MODER NONE	NONE NONE NONE NONE NONE
White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual *Visual *Visual	NONE NONE NONE NONE NONE NORML	NONE NONE NONE NONE NONE NONE NORML	MODER NONE NONE MODER NONE NONE NORML	NONE NONE NONE NONE NONE NORE

NEG

scalar *Visual

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Contact/Location: David Martin - AMEMEMTN

NEG

NEG



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* - 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)

Contact/Location: David Martin - AMEMEMTN

US 47130

Jul15/23

F:

May15/23

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no image

no image