

WEAR CONTAMINATION FLUID CONDITION

NORMAL **MARGINAL NORMAL**

[] NOT GIVEN MW0053429 MW 0053429

Starboard Reduction Gear

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Test	UOM	Method	Limit/Abn	Current	History1	History2
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_	1110					
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Sample Status				MARGINAL		
Iron	nnm	ACTM DE195m	 - 150	10		
			>10			
Aluminum			>25			
Lead				<1		
Copper	ppm	ASTM D5185m	>50	6		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	maa	ASTM D5185m	>50	7		
Potassium	ppm	ASTM D5185m	>20	2		
Water		WC Method	>0.1	NEG		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	▲ MODER		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Sodium	ppm	ASTM D5185m		0		
Boron	ppm	ASTM D5185m		169		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		12		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		25		
Calcium	ppm	ASTM D5185m		3535		
Phosphorus	ppm	ASTM D5185m		556		
Zinc	ppm	ASTM D5185m		615		
Sulfur Acid Number (AN)	ppm mg KOH/g	ASTM D5185m ASTM D8045		3239 0.89		
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Debris scalar Sand/Dirt scalar Sand/Dirt scalar Sand/Dirt scalar Sodium ppm Boron ppm Barium ppm Manganese ppm Magnesium ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus ppm	Sample Number Sample Date Client Info Machine Age Nrs Client Info Oil Age Nrs Client Info Client Info Oil Age Nrs Client Info Oil Changed Client Info Filter Age Oil Changed Client Info Sample Status Iron Chromium Dpm ASTM D5185m Nickel Dpm ASTM D5185m Nickel Dpm ASTM D5185m Aluminum Dpm ASTM D5185m Lead Dpm ASTM D5185m Copper Dpm ASTM D5185m Tin Dpm ASTM D5185m Vanadium Dpm ASTM D5185m Visual Silicon Dpm ASTM D5185m Vomethod Silt Scalar Visual Sand/Dirt Scalar Appearance Scalar Scalar Visual Sand/Dirt Scalar Appearance Scalar Appearance Scalar Appearance Scalar Scalar Appearance Scalar	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Client Info Sample Status Iron ppm ASTM D5185m >10 Chromium ppm ASTM D5185m >10 Nickel ppm ASTM D5185m >10 Titanium ppm ASTM D5185m >25 Lead ppm ASTM D5185m >10 Copper ppm ASTM D5185m >50 Chromium ppm ASTM D5185m >10 Copper ppm ASTM D5185m >50 Copper ppm ASTM D5185m >10 Copper ppm ASTM D5185m >50 Copper ppm ASTM D5185m >50 Copper ppm ASTM D5185m >10 Copper ppm ASTM D5185m NONE Copper ppm ASTM D5185m >20 Copper ppm ASTM D5185m Poperance scalar *Visual NONE Copper ppm ASTM D5185m Poperance scalar *Visual NONE Copper ppm ASTM D5185m Poppm ASTM D	Sample Number Client Info MW0053429 Sample Date Client Info 09 Nov 2023 Machine Age hrs Client Info 12663 Oil Age hrs Client Info 2092 Filter Age hrs Client Info Changed Cilent Info Changed Changed Changed Filter Changed Client Info Changed Sample Status MARGINAL MARGINAL Iron ppm ASTM D5185m >150 12 Chromium ppm ASTM D5185m >10 <1	Sample Number Client Info MW0053429







Laboratory Sample No. Lab Number **Unique Number**

: MW0053429 : 06054997 : 10820946 Test Package : MAR 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 08 Jan 2024 Diagnosed : 15 Jan 2024 Diagnostician : Doug Bogart

PADUCAH, KY US 42003 Contact: ANTHONY VAN CURA anthony.vancura@ingrambarge.com T: (270)415-4467

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) Contact/Location: ANTHONY VAN CURA - INGPAD

INGRAM BARGE

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