

11th Hour Racing team

Sustainable Design and Build Report - 2021

IMOCA 60 Mālama

End of Life Improvement Paths



Supporting the main report, this document - End Of Life
Outlines the end of life plans and projected impacts associated with each component

GHG is measured in tCO₂e, metric tons of waste

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DISCLAIMER

The End of life plans are dependant on multiple factors,
best efforts will be applied to the circularity of material resources solutions
However no statements regarding accuracy are made
Plans may change over time as solutions become available or otherwise

END OF LIFE IMOCA COMPONENTS

End of life plans for IMOCA components and their respective reductions or impacts

SUB - GROUP	Component	Short term - First cycle	Final cycle
		Actual	Actual
		Planned	Planned
PLUGS AND MOULDS	HULL & DECK PLUG		Partial recycle - Most to landfill
	HULL MOULD	Reused	Recycle or waste to energy
	DECK MOULD	Reused	Recycle or waste to energy
	DECK MOCK UP		Recycled
HULL & DECK	HULL SHELL	Reuse	Recycle or waste to energy
RUDDERS	RUDDER CASE	Reuse	Recycle or waste to energy
	RUDDERS	Reuse	Recycle or waste to energy
KEEL	KEEL FIN	Reuse	Recycle
	KEEL TRAILING EDGE	Reuse	Recycle or waste to energy
	KEEL BULB	Reuse	Recycle
	KEEL BEARINGS	Reuse	Recycle

FOILS	FOIL SET	Reuse	Recycle or waste to energy
	FOIL BEARINGS	Reuse	Recycle or waste to energy
SAILS	ALL SAILS	Reuse	Waste to energy
BOOM	BOOM	Reuse	Recycle or waste to energy
	BOOM HARDWARE	Reuse	Recycle
MAST	MAST	Reuse	Waste to energy
	MAST HARDWARE	Reuse	Recycle
OUTRIGGERS	OUTRIGGERS	Reuse	Waste to energy
RUNNING RIGGING	ROPE	Reuse	Recycle
STANDING RIGGING	STANDING RIGGING		Waste to energy
	STANDING RIGGING HARDWARE		Waste to energy
SAIL TRIM DECKGEAR	FURLERS	Reuse	Recycle
	DECK GEAR	Reuse	Recycle
	WINCHES AND TRANSMISSION	Reuse	Recycle
OTHER DECKGEAR	STEERING SYSTEM	Reuse	Recycle
	LIFE LINES AND PULPIT	Reuse	Recycle
NAVIGATION	INSTRUMENTATION	Reuse	Recycle

POWER	BATTERIES	Reuse	Recycle
	CABLES	Reuse	Recycle
	ELECTRIC MOTORS	Reuse	Recycle
DECK HYDRAULICS	DECK HYDRAULIC SYSTEM	Reuse	Recycle
KEEL HYDRAULICS	KEEL HYDRAULIC SYSTEM	Reuse	Recycle
PROPULSION	ENGINE, DRIVE SHAFT AND PROP	Reuse	Recycle