



Nature-Powered Fuel Conditioner for Marine Engines



PRODUCT INTRODUCTION

GREEN FUEL MAX Marine is a new-generation, green organic fuel additive derived from native Australian specialty trees and botanical resources.

It is produced using a proprietary and advanced extraction technology, resulting in a highly efficient and environmentally friendly formulation.

Following the successful deployment of GFX land-based additives in Australia, GFX collaborated with major shipowners in 2019 to co-develop GFX MARINE, a specialized additive for marine applications. Production and testing were completed in February 2021, with all performance indicators meeting targeted benchmarks. The product was officially launched to the global shipping market in March 2021.

The primary markets include China, Europe, and Oceania.

DIFFERENCES FROM CONVENTIONAL ADDITIVES

Traditional fuel additives typically address only single or limited issues (such as carbon deposit control or cold flow improvement). In contrast, GFX delivers integrated multi-functional performance, simultaneously addressing five critical areas:

- Fuel system cleaning
- Emissions reduction
- Low-temperature adaptability
- Fuel efficiency improvement
- Lubricity enhancement

This “all-in-one” solution optimizes overall fuel system performance.

COMMON FUEL ISSUES AND ASSOCIATED RISKS

Marine fuels are refined from crude oil and contain varying levels of impurities such as asphaltenes, wax, water, residual carbon, ash, biological contaminants, and mechanical particles. Over time, storage can lead to microbial growth (“diesel bug”), forming sludge and wax precipitation, which negatively impacts fuel systems in several ways:

01

Fuel System Blockages

Sludge can clog tanks, pipelines, separators, and service tank outlets.



02

Key Component Damage

wear, corrosion, carbon deposits, on key components



03

Poor Combustion & Higher Emissions

Incomplete combustion, black smoke, higher CO_x/NO_x emissions.



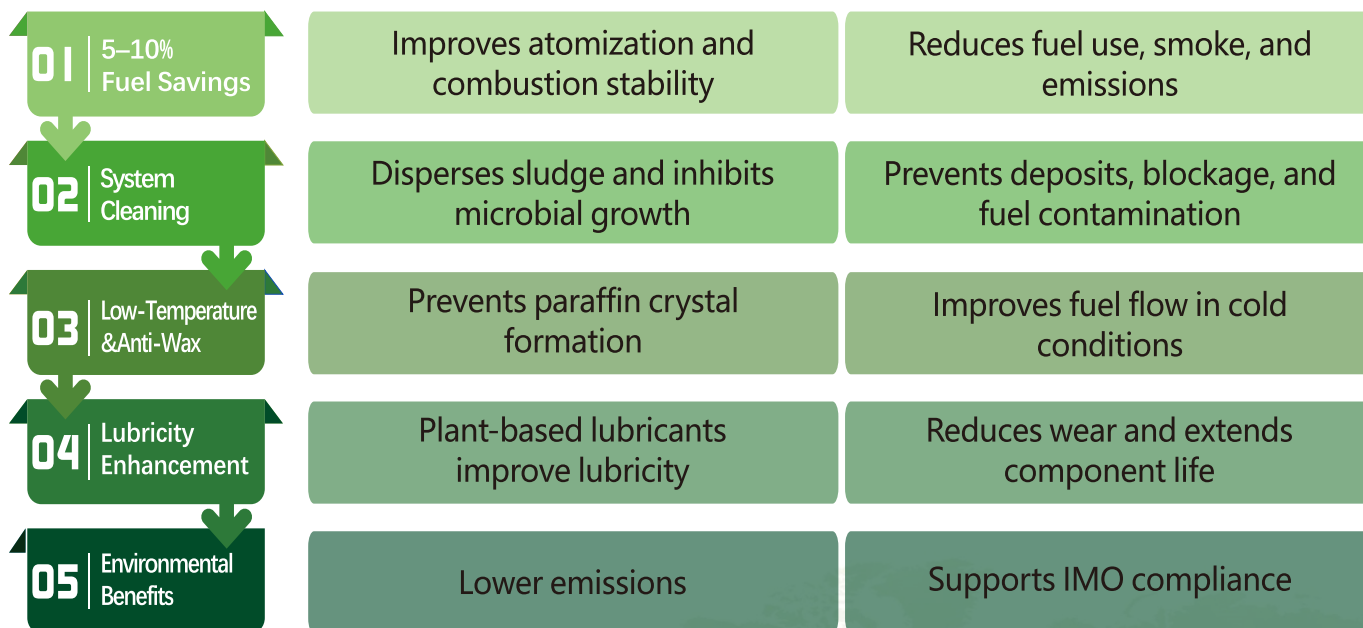
04

Operational & Safety Risks

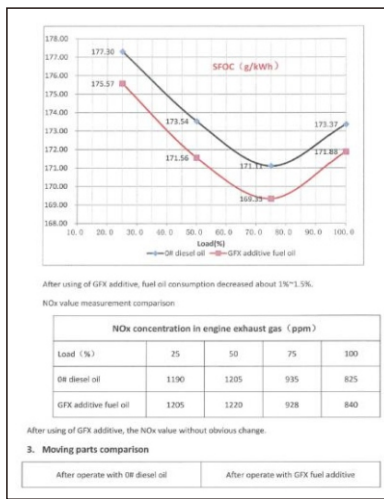
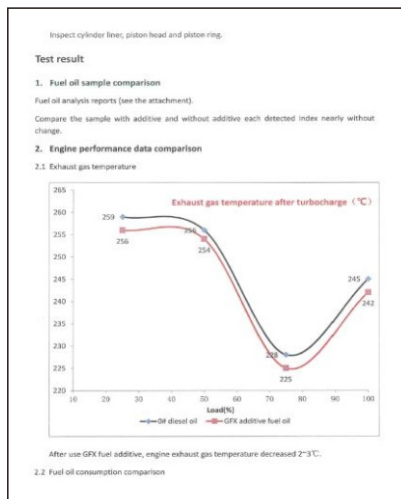
engine power loss, breakdowns, and increased safety risks



MECHANISM OF ACTION & CORE VALUE



AUTHORITATIVE TESTING & FIELD RESULTS



(Shanghai CSSC-MES Diesel Co., Ltd. & Hudong Heavy Machinery) ▲

Marine Main Engine Testing Basis:

Conducted on a CMD-6S50ME-C8.2 engine with over 1,000 hours of cumulative operation. A controlled comparison was performed between conventional diesel (Group A) and diesel treated with GFX (Group B, dosage ratio 1:4000).

Key Findings:

- CSSC-MES Diesel Co., Ltd. issued a "Letter of No Objection", confirming the additive's positive impact on fuel consumption and combustion cleanliness.
- Fuel physicochemical properties remained stable after treatment
- Specific fuel oil consumption decreased by an average of 1.3%–1.5%.
- Reduced piston carbon deposits and decreased cylinder liner wear.



FIELD TEST – SEA FALCON 15

Test Basis:

Conducted over six weeks (mid-March to April 2023) on a nearshore search and rescue vessel.

Port and starboard engines were analyzed using a Testo 350 gas analyzer compliant with MARPOL Annex VI.

Key Results:

- Carbon emissions reduced by over 35%
- NOx emissions reduced by over 35%
- CO emissions reduced by approximately 26%
- Verified fuel savings of 8%–10%
- Improved engine stability and enhanced thermal efficiency

SAFETY ASSURANCE & USAGE GUIDELINES

Safety Profile: 100% natural based, non-toxic, and environmentally friendly, with 5+ years shelf life.

Insurance Coverage: Provided by Berkley Insurance, offering AUD 10 million in global property liability coverage (Policy No. SVU20190625-151825) ensuring user confidence and risk protection.

SLSB International Safety Data Sheet Green FUEL MAX		
1. IDENTIFICATION OF MATERIAL AND SUPPLIER		
Product Name:	GREEN FUEL MAX - MARINE	
Other Names:	None	
Recommended Use:	Heavy Fuel Oil Treatment	
Supplier:	SLSB INTERNATIONAL CO LTD	
ADR:	15 Observatory Drive,	
Address:	Reedy Creek, QLD 4227, Australia	
Telephone:	+61 422 975 327	
Emergency Telephone:	+61 422 975 327	
2. HAZARDS IDENTIFICATION		
Hazard Classification: This material is not considered hazardous according to the criteria of AISC. However prolonged skin or eye contact can cause irritation.		
Hazard Category:	N/A	
Risk Phrases:	N/A	
Safety Phrases:	N/A	
3. COMPOSITION INFORMATION ON INGREDIENTS		
Chemical Name	CAS No.	Proportion (Weight)
Non-ionic surfactants (not considered hazardous)	N/A	30-40%
Propanol	66-26-5	30-40%
Ingredients not considered hazardous	N/A	Balance
4. FIRST AID MEASURES		
FIRST AID:		
Swallowed:	If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice. For advice, contact a Poisons Information Centre (Phone Australia 131120) or a doctor.	
Eye:	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.	
Skin:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair thoroughly with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor.	
Inhaled:	Remove the victim from the source of exposure to fresh air. Avoid becoming a casualty. Seek medical advice if effects persist.	
ADVICE TO DOCTOR: Treat symptomatically.		
Product Name: GREEN FUEL MAX - MARINE Page 1 of 3		

Public & Products Liability Insurance Certificate of Currency Berkley Insurance Australia	
Policy Number: SVU 20190625-151825	
Date of Issue 20 June, 2025	
Insurer Berkley Insurance Company trading as Berkley Insurance Australia ABN 55 195 589 706 AFSL 461229 PO Box 9296 QVB NSW 1230	
Period of Insurance From 4pm 30/06/2025 to 4pm 30/06/2026	
Named Insured SLSB International Co Ltd 20 131 213 726 15 Observatory Drive REEDY CREEK QLD 4227	
Business Industrial Chemical, Organic, Manufacturing Not	
Business Description MANUFACTURE & SUPPLY OF ORGANIC CLEANING PRODUCTS	
Policy Wording Swedish Chain Trading Platform (SCTP) Liability Policy 2025	
Policy Details	
Limits of Liability Public Liability	\$10,000,000 In respect of any one claim or series of claims arising out of any one Occurrence
Products Liability	\$10,000,000 In respect of any one claim or series of claims, and in the aggregate during any one Period of Insurance
Sub-Limits of Liability Product Recall Expenses Errors and Omissions Care, Custody and Control	
Not Insured Not Insured Not Insured	
Optional Extensions Exports to North America	
Not Insured	
Signed for and on behalf of Berkley Insurance Australia. This policy is current at date of issue. For full details of cover please refer to the policy wording. This certificate is only valid at the date of issue.	

GFX MARINE APPLICATION GUIDELINES

- Dosage Timing: Add prior to bunkering, via sounding pipe or other tank access points.
- Mixing Ratio:
 - o Initial use: 1:5000 (GFX Marine vs. Marine Fuel)
 - o Subsequent use (after 1 month or one full voyage): 1:10000
- Mixing Requirement: Allow natural blending for 48 hours before normal operation.