CONSULTANCY BY TIDE MEDIA LIMITED - INTERNAL USE AS REFERENCE

HULL PRO PERFORMANCE REPORT

TEST CONDUCTED BY TOM MONTGOMERY-SWAN / RACE TECHNOLOGY

METHOD OF TESTING

1. LES MANS LMP1 Modified to record NMEA / Vessel View Engine Data Logger
2. 3 Axis Gyro and GPS tracking data loggers applied to both deck and helm positions. Calibrated by racing professionals
3. Consistent Fuel loads and weight for each test run
4. Figures represent a 4 way average - Recordings made down wind, up wind, with tide & against
5. Each time the craft is run, engine height and prop are same as testing without coating
6. Each run is recorded by Race Technology Inc with raw data provided to TIDE Media Limited
7. Each test run is driven by British Powerboat Champion, UIM World Speed Record Holder & Expedition Leader; Tom Montgomery-Swan (Instagram: @MontySwan)
8. Each test made on consistent weather to record accurate readings
9. Each data file analysed using the very latest motorsport software
10. One 40FT Support vessel used to verify data and provide photography of test session

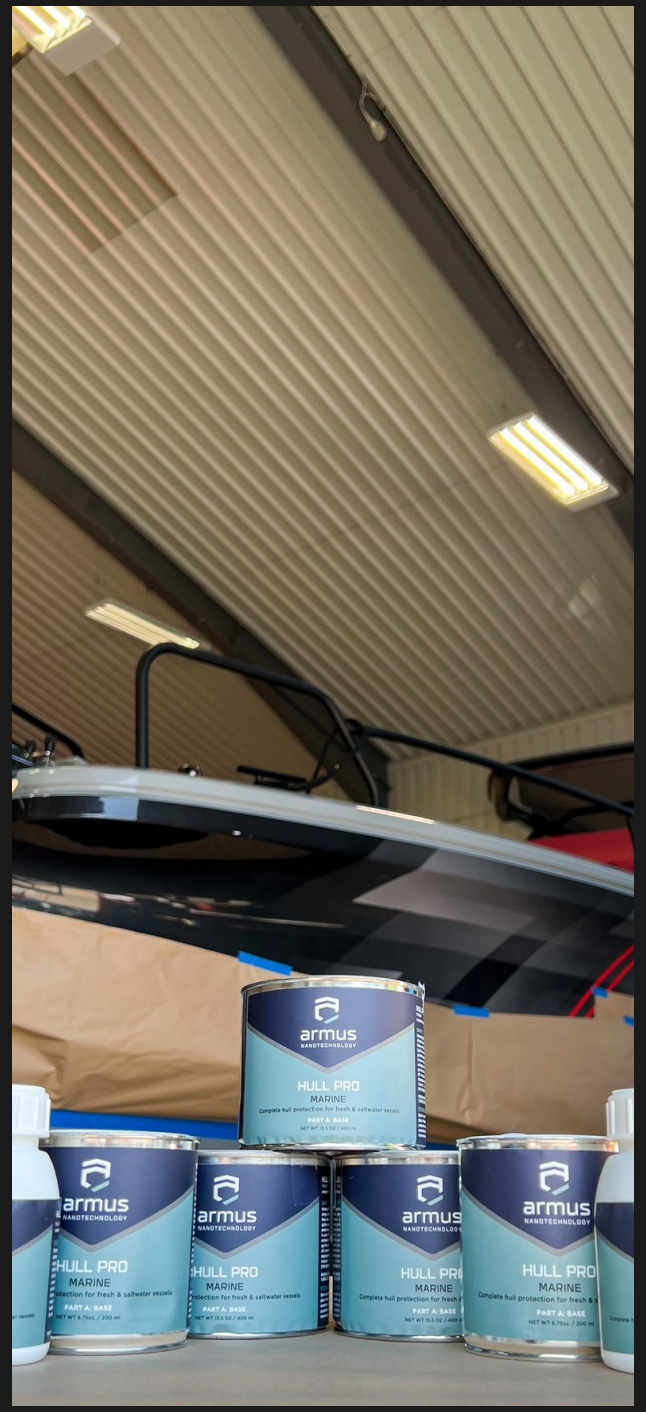
PURSUE PERFORMANCE AND ECONOMY WITH ARMUS HULL PRO

Brief to TIDE Media Limited / Tom Montgomery-Swan:

TIDE, Europe's premier Marine Creative Agency and esteemed technical consultants for performance boats, spearheaded by Champion Racer Tom Montgomery-Swan, undertook a comprehensive series of technical tests.

The objective was to assess the practical disparities in performance between standard and treated hull surfaces using the cutting-edge Armus Hull Pro coating.

The very latest motorsport data recorders to be used to gain accurate figures and thus be able to make informed decisions on any potential benefits.



“AS SOMEONE WHO REVIEWS OVER 500 BOATS ANNUALLY, I AM GENUINELY IMPRESSED BY ARMUS. ITS ADVANCED TECHNOLOGY, DURABILITY AND POSITIVE IMPACT ON BOAT PERFORMANCE ARE TRULY REMARKABLE. MOREOVER, IT OFFERS A SOLUTION THAT MINIMIZES ENVIRONMENTAL CONCERNS AND MAINTAINS A PLEASING APPEARANCE, DISTINGUISHING ITSELF FROM TRADITIONAL ANTI-FOUL OPTIONS. GOING FORWARD, I WHOLEHEARTEDLY INTEND TO USE THE HULL PRO COATING ON ALL MY FUTURE BOAT EVALUATIONS.”

MONTY SWAN
POWERBOAT CHAMPION

Comments on experience with Armus Hull Pro 2023

TEST SUBJECT

2022 Brabus Shadow 300, based upon the AXOPAR 25 Platform.

HULL

BRABUS SH300 /AXOPAR 25

ENGINE

MERCURY RACING 300R

FUEL ONBOARD

150L

CONFIGURATION

SPIDER

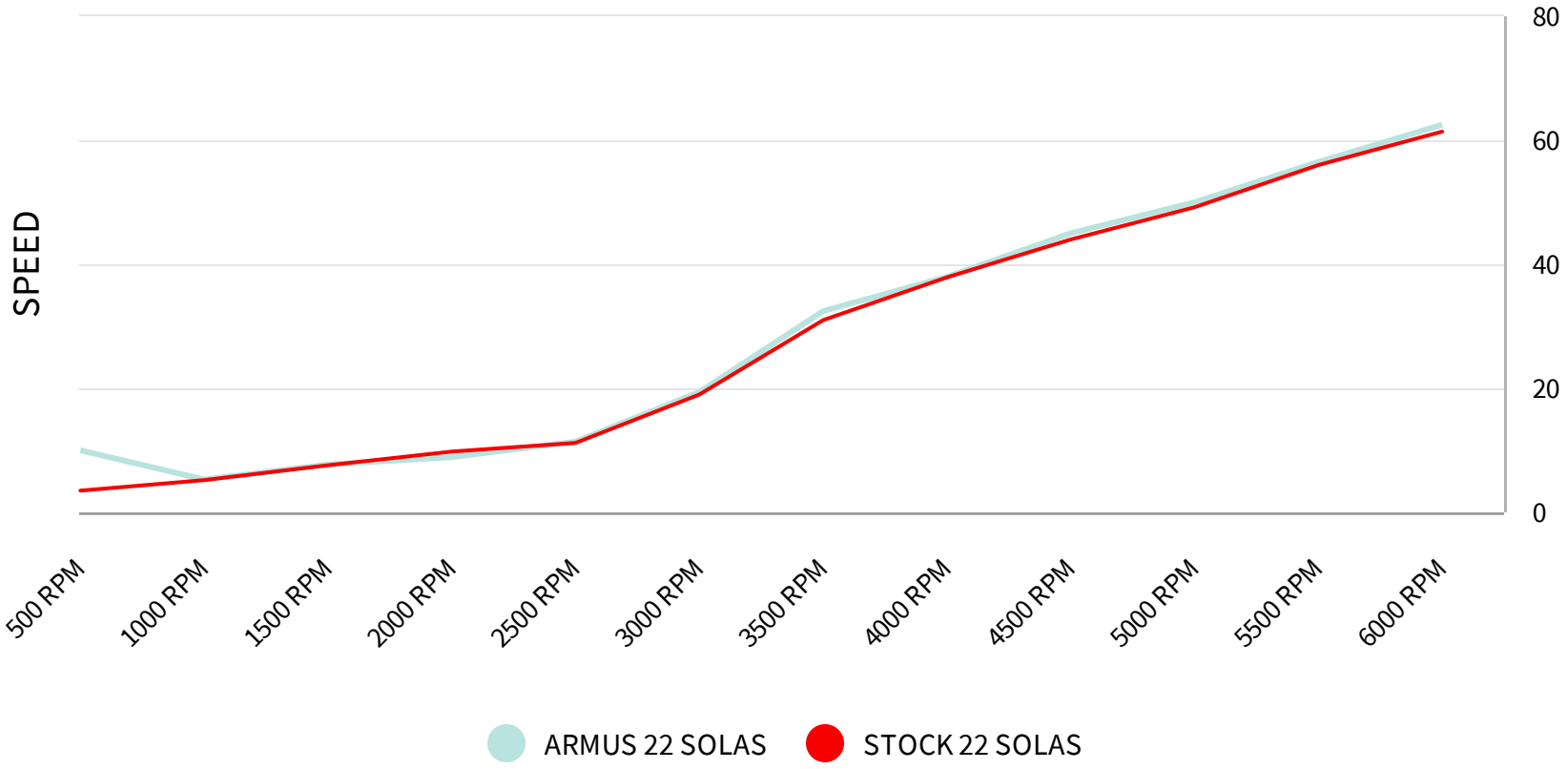
NO. OF CREW

1 - 100KGS

WEATHER @ TEST LOCATION

500

PERFORMANCE OVERVIEW



62.5 MPH

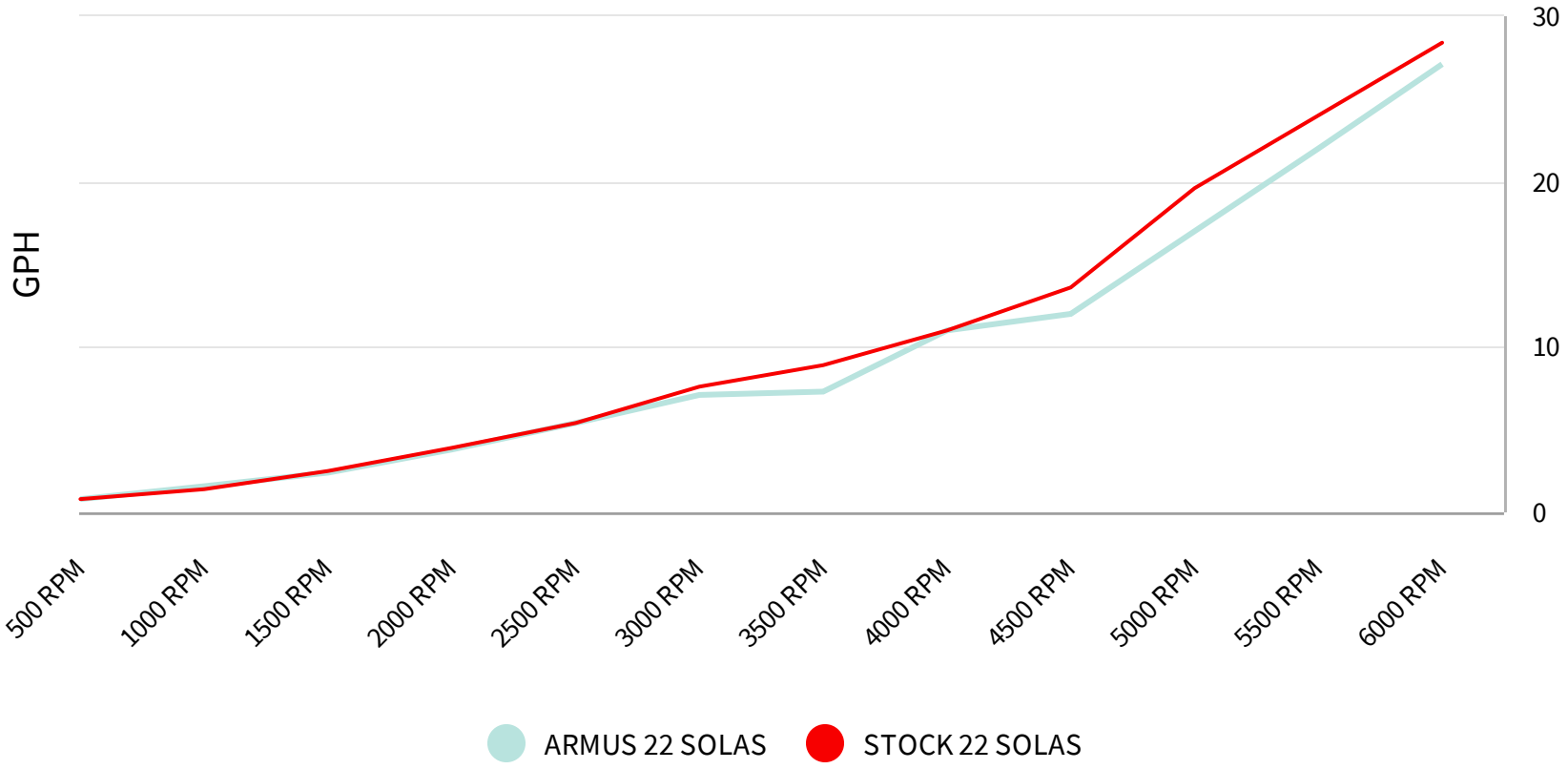
INSIGHTS:

Mid-Range Cruising Performance Increase. No Negative Impact like traditional Anti-Foul Paints.

NOTE: TRADITIONALLY THIS HULL PERFORMS -5MPH WITH ANTI-FOUL COATINGS.

Report: Armus had no negative impact on speed performance. In mid range cruising, the vessel saw a 0.5-2 knot speed increase at the same RPM range, showing engine working less to achieve higher speeds.

ECONOMY OVERVIEW



2 GALLONS PER HOUR SAVING.

INSIGHTS:

Mid Range Fuel Savings up to full speed show fuel savings. Fuel savings between 1-2 US Gallons Per Hour.

Report: Armus had no negative impact on Fuel consumption. In mid range cruising to top RPM, the single 300 engine improved fuel consumption by 8 Litres an hour. Considerable considering this is one engine on a small family vessel.

REVIEW

"Finally, a hull protection that doesn't impact performance"

Tom Montgomery-Swan

Advantage 1

During extensive tests in a variety of conditions, we saw no negative or marginal improved performance. A big win verses traditional hull protective coatings.

Advantage 2

With passengers or as one test pilot, in a variety of conditions; the team saw consistent fuel savings. When this is scaled to larger craft, the savings for the Captain potentially can be considerable.

Advantage 3

New technology is emerging with transparent coatings, however most do not last or endure dry-stack or repeated launching. We found the coating to be harder wearing and give a great finish, not diminishing from the beauty of the main hull structure.

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