

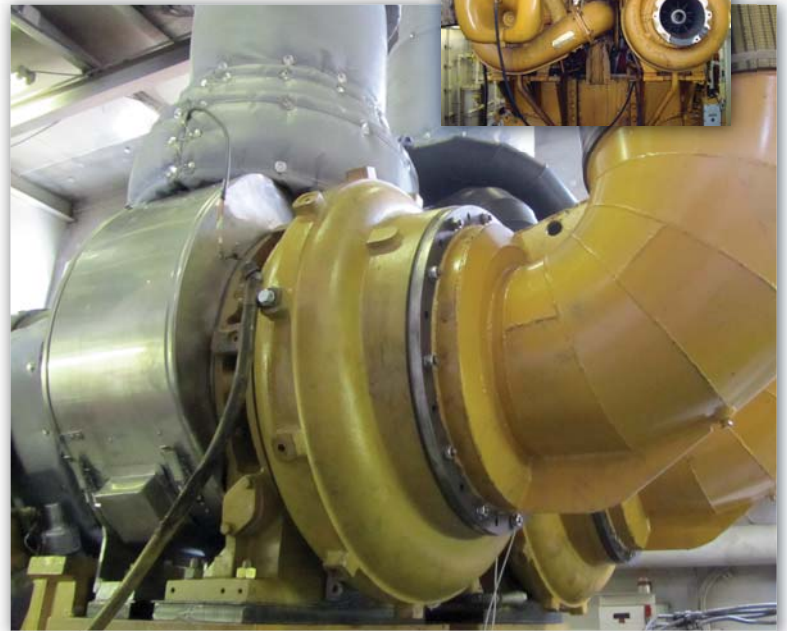
MSHS Turbo Retrofit Program

At 30,000 RPM, Choose A Reliable Partner

MSHS Turbo Retrofit program utilizes and supports the most reliable and regarded turbochargers available in the market. Focused on owners and operators of older diesel engines, the program offers our customers modernization and lifetime extension of a vessel and/or generating plant.

- Reduction of emissions & specific fuel oil consumption (SFOC)
- Temperature reduction & lifetime extension of combustion components
- Higher engine efficiency
- Improved spare parts availability & support
- Extended time between overhauls (TBO) & cost reduction

Before: ABB VTC-254 turbos installed on CAT 3612 diesel engine



After: Napier NA297 turbocharger installed with new platform and air intake.

Authorized Turbocharger Services

- Re-blading with new or reconditioned components
- Computerized balancing
- Overhaul of rotors & casings
- OEM spare parts & exchanges

MOTOR-SERVICES HUGO STAMP, INC.

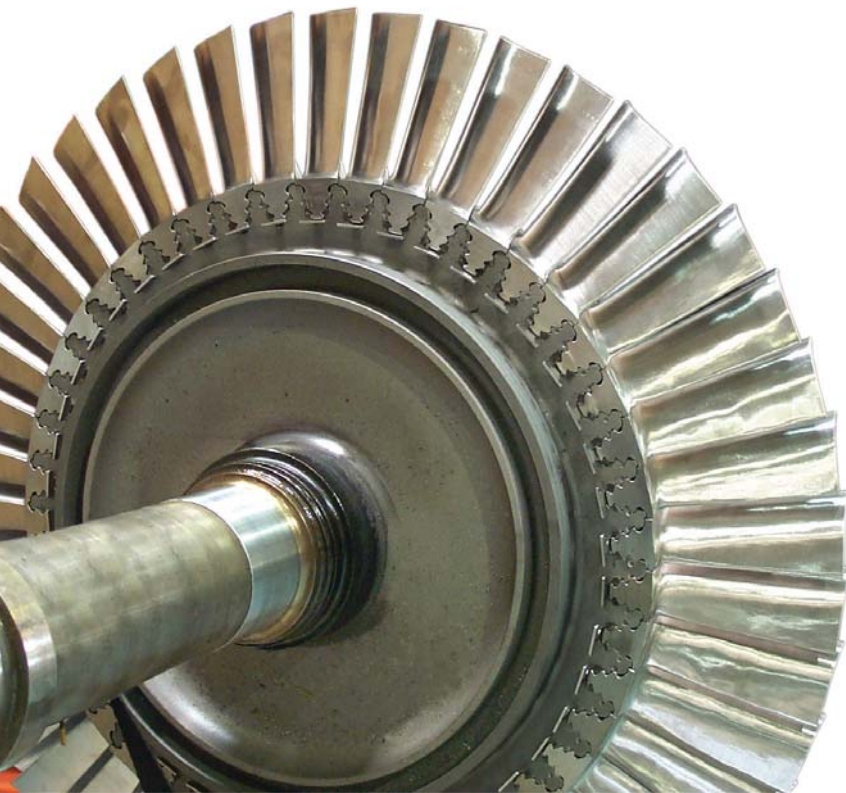
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MSHS Turbo Retrofit Partners

The advanced technology available from the MSHS Turbo Retrofit Partners adds value for operators through modernized serviceable equipment, declined fuel consumption, and overall cost reduction.



Alco, CAT 3600, MaK & Wärtsilä



MaK, Hyundai Himsen (replacing of ABB TPS), SKL, Wärtsilä & Yanmar



24/7 Service and Support Guarantee:

MSHS Turbo Retrofit Program inventories one complete spare turbocharger tailored made for the application as part of the 24/7 response mission.*

*Note: Turbocharger spare is kept for as long as vessel remains operational under same ownership



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