

## VULKAN VADEMECUM

### HOW TO SUPPORT YOUR RUBBER TO KEEP YOUR BOAT IN SHAPE! WHAT TO DO TO KEEP YOUR BOAT WORKING & COMFORTABLE

Vulkan products (couplings, engine/reduction gear resilient mounts, tail shaft couplings) are produced and tested under the most stringent quality controls: this turns into a functional safety across thousands of operational hours.

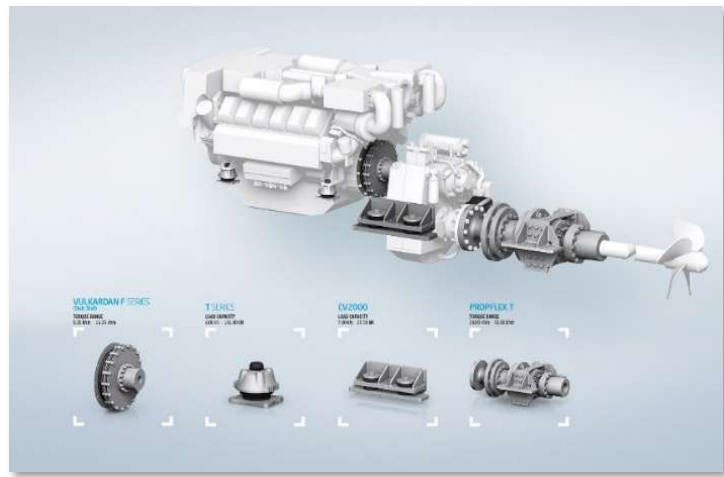
**However, they are made of steel and rubber, having their own lifetime: rubber elements get old and die, like every human being! (It is called AGING).**

Individual storage and operating conditions can affect this lifetime, accelerating the natural aging process.

This results in elastic parts dynamic characteristics and functional performance changes, with an impact on the main mission: **reduction of vibrations and noise and relevant comfort-on-board guarantee.**

#### WHAT CAN WE DO?

**We can support, taking care of them, with regular preventive maintenance!**



#### EXPECTED (average) VULKAN PRODUCTS LIFETIME

Products	Operational hours*	Life span*
Couplings	20.000	10 years
Resilient mounts/ Shock mounts	-	8 years
Propflex T couplings	10.000	10 years

\*which occurs first

***N.B.: Operational hours reported in this table are purely indicative, environments and operational conditions can affect the elastic parts wear: if increased wear is detected during regular inspections, as per following indications, feel free to contact our technicians to check and eventually reduce the required maintenance intervals according to the actual wear status.***



## BASIC MAINTENANCE: CONNECTED MACHINERIES ALIGNMENT CHECK

**VULKAN** recommends regular alignment check of the connected machineries: misalignments, which naturally occur during operation, are the main cause of rotating equipment wear, failures, noise, and vibrations.

Interval	Maintenance task	Executed by
Two years	Alignment Check	<b>VULKAN</b>
Yearly (in case of repair)	Alignment Check	<b>VULKAN</b>
In case of misalignment	Alignment correction	<b>VULKAN</b>

## VULKAN PRODUCTS MAINTENANCE: TIPS & RECOMMENDATION

The following sections describe maintenance tasks with relevant time schedule suggested for optimal and fault-free **VULKAN** products operations.

### 1. VULKAN Couplings

Interval	Maintenance task	Executed by
Yearly	Visual inspection, permanent set, and cracks measurement	<b>VULKAN</b>
Yearly (in case of repair)	Visual inspection	<b>CREW (in case of freestanding application)/ VULKAN</b>
If a damage/fault operation has been detected	Elastic elements disassembly	<b>VULKAN</b>
10 years / 20.000 hours*	Elastic elements replacement	<b>VULKAN</b>

### 2. VULKAN Resilient Mounts

Interval	Maintenance task	Executed by
Yearly	Visual inspection	<b>Crew</b>
Yearly (in case of repair)	Visual inspection	<b>Crew</b>
Yearly	Deflection values check	<b>VULKAN</b>
If a damage/fault operation has been detected	Elastic elements dismantle	<b>VULKAN</b>
8 years	Mounts replacement	<b>VULKAN</b>

*Deflection values must be measured at a rubber temperature of 20°C.*




## 3. VULKAN Propflex T

Interval	Maintenance task	Executed by
Every 6 months/1500 hours*	Thrust bearing lubrication (with RIVOLTA SKD 4002)  TB 90*** 70g TB110*** 110g TB 130*** 130g TB160*** 160g ***each side	Crew
Yearly	Rubber element and thrust bearing visual inspection	Crew
Every 6 months (in case of repair)	Visual inspection	Crew
10 years/10000 hours*	Thrust bearing complete revision	VULKAN
If a damage/fault operation has been detected	Disassembly	VULKAN

For any clarification/support request feel free to contact our Vulkan Italia After Sales Department!

 [service.italia@vulkan.com](mailto:service.italia@vulkan.com)

 +390143310-234/245

 <https://www.linkedin.com/company/vulkan-italia>

