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YANMAR SERVICE NEWS										
Title	Cleani	ning Agent for Turbine Wheel and Casing of RH3								
		Series Turbocharger						Date: Dec.2002		
Fna	Model	6N18 6/8N21	DY25&26, 6N250&26	0	Us	e	Marine	Main & Au	ux. and Industrial	
Eng.					Eng. I	Nos.				
 The hard carbon deposited on the turbine wheel and casing must be cleaned completely whenever the turbocharger was disassembled for servicing for not causing the turbine wheel to be imbalanced and ensuring a chip clearance between the casing and turbine wheel. It is hard to remove the hard carbon completely by the use of a common cleaning agent, (carbon remover), and it may sometimes corrode the metal parts. For the easy removal of the hard carbon, we have recently developed the following cleaning agent for your use. 1. Cleaning Agent: CLEPEARL YF-2 Features CLEPEARL YF-2 is a water-soluble liquid cleaning agent. The agent is odorless, has no inflammability and does not corrode metals. The agent can suitably be used to clean the plaster scale besides the carbon deposit. The agent is an alkalescent agent, (pH: Agent A =8.0~10.4; Agent B=7.9~9.9). <u>Cautions for Handling</u>: Wear protection mask, glasses, long-sleeve work clothing, rubber gloves, etc. during work for not inhaling the gas or not causing the agent to touch your eyes and skin. 2. Cleaning Method CLEPEARL YF-2 has two agents, A and B. 1) Fill fresh water in a container, (water quality equivalent to tap water). Fresh water temperature must be below 80 . (Higher temperatures than this level cause the agent not effective.) 2) Pour agents A and B in the container to make 20 vol.% solution respectively. (Refer to Table 1 below.) 3) Provide masking to the turbine rotor 's shaft so that it does not be soaked. Soak the item together with the casing in the solution, raise the solution temperature needs not be kept at that level if it is not possible.) It is better to stir the solution while soaking the parts. 										
Table 1. Quantity to be Used. (5kg/Can for Agents A& B Respectively)										
Г	Containe	capacity(L)	Fresh water (L)		Agent A (Can)		B (Can)	Applicable T/C Models		
-	oontame	2 5	1 5	1 (5kg)		1 (5kg)		RH133、RH143		
-		50	3 0		2 (10kg)		(10kg)	RH163、RH183 • RH203		
Before cleaning After cleaning						(TOKY)				
Re-use of agents once used, although dependent on the extent of contamination, is not recommended in principle.										
3.0thers										
This cleaning agent can be used for cleaning carbon on other parts besides the RH3 Series Turbochargers.										
For inquiries and ordering, please contact below:										
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