

DESIGN APPRAISAL DOCUMENT

Date 14th May 2003	Quote this reference on all future communications KPA/PGD/L03/ O 44910
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**Dong - I Industrial Co. - Gearbox
Machinery General Design Approval**

Valid until 15th April 2008

This Design Appraisal Document supersedes and cancels Issue 1

Plans and calculations, as listed in Appendix A, have been examined for compliance with Lloyd's Register's Rules and Regulations for the Classification of Ships - Part 5, Chapters 5 & 6 and will be assigned an appraisal status, as indicated, in accordance with the following conditions:

A. Machinery

Model	DMT 150H				
Manufacturer and type designation	A(2.09)	B(2.51)	C(3.08)	D(3.43)	E(1.83)
Prime mover power rating kW	290.5	290.5	290.5	257.4	290.5
Prime mover power rating rpm	1800	1800	1800	1800	1800
Overall ratio	2.09:1	2.51:1	3.08:1	3.43:1	1.83:1
Application	Main Propulsion				
Machinery Ice Class Notation	None				
Input coupling type	High elastic				
Ice torque factor	None				

B. Details

Shafts	Diameter, mm		Material	min UTS, N/mm ²
	OD	ID		
Pinion	52	0	SCM 420	686
Final	90	0	SCM 435	550