



Marine Engines & Ship Propulsion

Kyodo USA is a leading supplier of marine diesel engine machinery, propulsion systems and power generation spare parts, servicing the shipping industry for over twenty years.

We supply spares from highly regarded Japanese and European manufacturers, offering complete supply-chain solutions from overhauling and retrofit projects, to fleet maintenance supply programs and emergency repairs.

Spare Parts Scope of Supply:

- | | |
|-------------------------------------|-----------------------|
| • Cylinder liners, heads and covers | • Manifolds |
| • Piston crowns, skirts and rings | • Combustion chambers |
| • Connecting rods | • Gear boxes |
| • Crank shafts | • Stuffing boxes |
| • Bearings | • Couplings |
| • Valves | |
| • Nozzles | |
| • Gaskets | |
| • Fuel injection systems | |
| • Fuel oil pumps | |
| • Lubricating oil systems | |
| • Air coolers | |
| • Governors | |
| • Auxiliary drives | |
| • Control systems | |

Key Customers:

- Container ships
- Tankers
- Cruise ships
- Bulk carriers
- Ferries
- Tug boats
- Naval vessels
- Off-shore

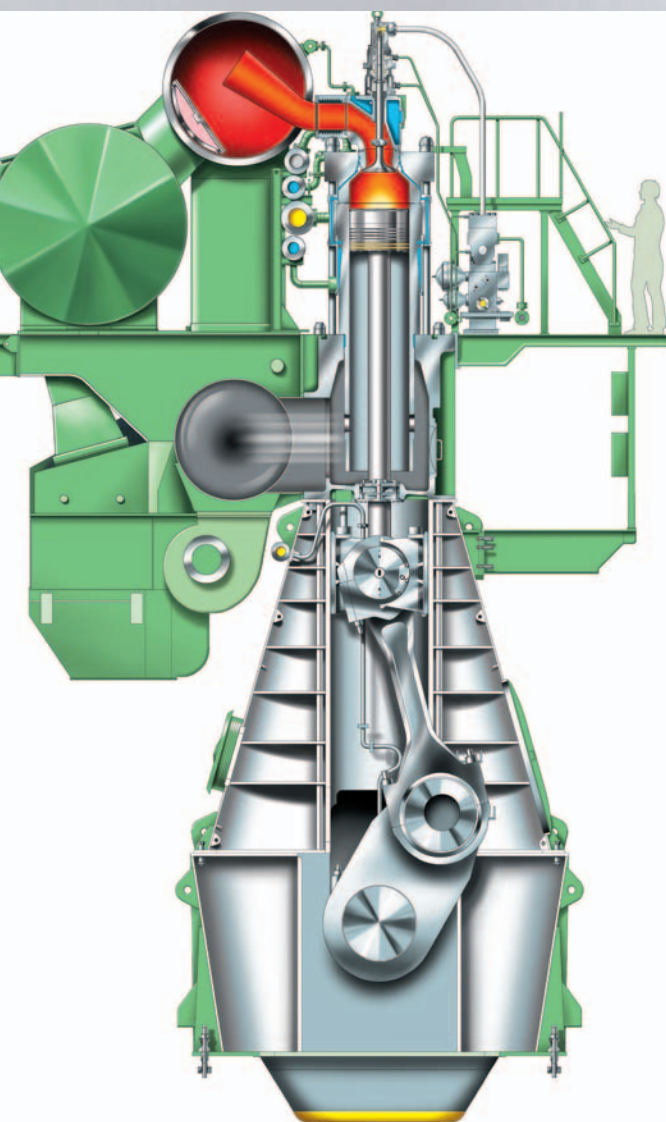
Quality Assurance:

- Full manufacturer warrantee
- ISO 9001
- Traceability
- Material certificate
- Class certificates whenever required

QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV

== **ISO 9001:2008** ==

In addition to our direct relationships with original manufacturers, we also work very closely with hundreds of OEM's and quality after-market spare parts suppliers around the world offering our customers a wide range of spare parts at highly competitive prices.



About Our Global Fleet Maintenance Program

For customers with repeated orders and projected purchasing requirements, we offer:

- Warehousing and guaranteed stock positions of critical spares
- Dynamic fleet maintenance and supply management program
- Volume discount to meet any budget, technical and safety requirement
- Reconditioning and exchange programs

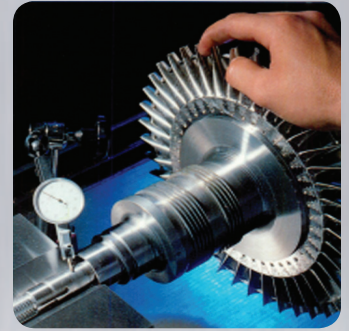


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MARINE ENGINES AND SHIP PROPULSION SPARES

MAKER	MODEL	NUMBER
MAN B&W	L	35, 42, 50, 60, 70, 80, 90 // MC, MC-C*, ME-C* 45, 55, 67, 80, 90 // GA, GB, GBE, GF, GFA, GFC, GFCA 16/24, 20/27, 21/31, 23/30, 23/40, 27/38, 28/32, 32/40, 48/60 // A, B, CR, DF, H, LH, GO
	S	26, 35, 42, 46, 50, 60, 65, 70, 80, 90 // MC, MC-C*, ME-B*, ME-C*, ME-GI*
	V	21/31, 27/38, 28/33, 32/40, 32/44, 48/60, 51/60, 52/55, // A, B, D, DE, CR, S
	K	42, 45, 60, 62, 67, 70, 74, 80, 84, 90, 98, 108 // EF, GF, GFC, GFCA, MC, MC-C*, ME, ME-C*
SULZER	RTA	38, 48, 50, 52, 58, 62, 68, 72, 76, 82, 84, 96 // B, C, CU, D, M, UB, U, T, TB, TD,
	RD/RND	68, 76, 90, 105 // M
	AL	20, 25, 30
	RL/RLA/ RLB	56, 66, 76, 90
WARTSILA	L/V	20, 26, 32, 34, 38, 46, 50, 64, // B, C, D, DF, F
	R	22, 32, 46, 61 // D, E, HF
	TM	410, 620,
	RT-FLEX	35, 40, 48, 50, 58, 60, 68, 82, 84, 96 // C, T
DAIHATSU	DK	16, 20, 26, 28, 32, 36 // B, C, e
	PSHT	26D, 26H, 28D, B26H, C26, C26D, C26H
	DL/DS	16, 18, 19, 20, 22, 24, 26, 28, 32, 40 // A, D, F
	DE	18, 23
	DKM	20, 26, 28, 36 // e
YANMAR	S	165(L), 185(A, AL, L) // EN, ET, DN, HN, ST, SN, UT, T
	M	200(AL, D, L), 220(AL, L) // DN, DT, EM, EN, ET, EX, GN, SD, SN, ST, UN, UT
	N	18(A, AL, L), 165(L), 21(A, AL, L), 260(L), 280(L), 330L // DN, EN, GN, SN, UN
	T	220, 240(L), 260(L) // ET, EX, GT, ST SX, UT
KAWASAKI	S/L	50, 60, 70, 80, 90 // MC, MC-C*, ME-C*
	L/V	32/44, 40/54, 52/55 // CR
	K	80, 90, 98 // MC, MC-C*, ME, ME-C*
HANSHIN	LF	46, 50, 54, 58
	LH	24, 26, 30, 32, 34, 36, 38, 41, 46 // A, AG, ARG, G, K, L, LG, LGR, RG
MITSUBISHI	UET/UEC	SERIES
SEMT PIELSTICK	PC/PC2 PC4	2, 3, 4, 5, 6 // L, V SERIES
BERGEN	KRG(B) KVG(B) LDG	SERIES
CATERPILLAR/ MAK	C/M	SERIES
MWM/ DEUTZ	TBD / SBV	SERIES



Turbocharger Spares and Repair Services

**Kyodo USA is a leading supplier of marine diesel engine
and turbocharger spares servicing the shipping industry
for over twenty years.**

We supply spares from highly regarded Japanese and European manufacturers offering complete main and auxiliary ship engine solutions from overhauling and retrofit projects, to fleet maintenance supply programs and emergency repairs.

Spare Parts Scope of Supply:

- Complete bearing assemblies
- Rotors
- Blades
- Vanes
- Shafts
- Silencers
- Inlet and outlet casting
- Lubricating oil pumps
- Compressor wheels
- Nozzles
- Cover rings
- Sealing bushes

Quality Assurance:

- Full manufacturer warrantee
- ISO 9001
- Traceability
- Material certificate
- Class certificates whenever required

QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV

== **ISO 9001:2008** ==

**We stock and have access to critical inventories worldwide, offering
both genuine and private label turbocharger spare parts
catering to any budget requirement.**



About Our Global Fleet Maintenance Program

Customers with repeated orders and projected purchasing requirements are welcome to take advantage of our Global Fleet Maintenance Program.

This program is highly customized and designed to meet your specific technical and logistical spare parts supply requirements, which will include:

- Warehousing and guaranteed stock position of critical spares
- Dynamic fleet maintenance and supply management program
- Volume discount to meet any budget and safety requirement
- Reconditioning and exchange programs



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TURBOCHARGERS, MAKERS and TYPES

MAKER	TYPE	MODEL
ABB/BBC		
	VTR	160, 200, 214, 250, 254, 304, 320, 354, 400, 454, 500, 564, 630, 714, 750
	VTC	214, 254, 304
	TPL	61, 65, 67, 69, 71, 73, 76, 77, 79, 80, 85, 91
	TPS	44, 48, 52, 57, 61
	RR	131, 151, 181, 221
	TPR	61
MAN		
	NA	20, 24, 26, 29, 34, 40, 48, 57, 70, 79
	NR	12, 14, 15, 17, 20, 24, 26, 29, 34
	TCA	33, 44, 55, 66, 77, 88
	TCR	12, 14, 16, 18, 20, 22
MITSUBISHI		
	MET/SD	33SD, 42SD, 53SD, 66SD, 83SD
	MET/SE	33SE, 42SE, 53SE, 66SE, 71SE, 83SE, 90SE
NAPIER		
	NA	295, 297, 355, 357, 395, 397, 455, 457
	SA	84, 85, 105,
	MS	90, 100, 200
	HP	90, 100, 200, 210

