

## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
1	19-Jul-12	Yanmar Holdings CO., Ltd.	Diesel engine	• 6EY18      • 6EY22      • 6/8EY26
				• 6/8N330   • 6NY16      • 6N165
				• 6N18      • 6/8N21      • 6RY17
2	1-Aug-12	Tortoise Engineering CO., Ltd.	Auxiliary boiler	• MVW   • MVS   • MVSC   • MKSC
			Exhaust gas economizer	• MECB
3	9-Aug-12	Yanmar Holdings CO., Ltd.	Diesel engine	• 3YM27A      • 3YM30R      • 3JH25A
				• 3JH30A      • 4CHL          • 6CHL
				• 4HAL2      • 6HAL          • 6HAL2
				• 6AYL
4	9-Aug-12	Yanmar Holdings CO., Ltd.	Auxiliary equipment (compressor)	• C185      • C220      • C300
				• C370      • C450      • C550
				• KSC3N      • KSC7      • SC2G
				• SC2N      • SC2H      • SC5N
				• SC7N      • SC10N      • SC12.5N
5	24-Aug-12	Makita Corporation	Diesel engine	• S26MC      • S30ME-B      • L/S35MC
				• S35MC-C/ME-B
				• S40MC-C/ME-B
				• S46MC-C/ME-B
				• G40ME-B      • S42MC      • G45ME-B
6	24-Sep-12	Nissin Refrigeration & Engineering Ltd	Heat exchanger	• Reliquefaction equipment (RELIQPT)
				• Pressure vessels and various heat exchangers
			Air conditioner	• Air conditioner (AIR COND)
				• Package air conditioner (PACKAC)
			Piping, Duct	• Airway   • Damper (DUMPER)
			Others	• Food storage freezer (PROVREF)
				• Refrigeration equipment (REFMACH)
• Ventilation system (VENTSYS)				
• CO2 fire extinguisher (CO2FEXT)				
7	16-Oct-12	Mitsumoto Valve Mfg. Co., Ltd.	Valve	• FORGED STEEL VALVES
				(J.I.S. F 7428)
				• DUCTILE IRON VALVES
				(J.I.S. F 7505)
				• CAST STEEL VALVES
(J.I.S. F 7426)				

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No.	Issue date	Member name	Product name	Model
				<ul style="list-style-type: none"> <li>• FUEL OIL TANK EMERGENCY SHUT OFF VALVES (12FV 501B)</li> <li>• CAST STEEL STORM VALVES (10FV 901B)</li> </ul>
8	14-Nov-12	Yanmar Holdings CO., Ltd.	Diesel engine	<ul style="list-style-type: none"> <li>• 6EY17</li> </ul>
9	19-Nov-12	Kanagawa Kiki Kogyo Co., Ltd.	Tank	<ul style="list-style-type: none"> <li>K8E • K8LE STRAINER</li> <li>• K8E3V    • K8E4V    • K8E5V</li> <li>• K8E6V    • K8E7V    • K8E6S</li> <li>• K8E7S    • K8E8S    • K8E101S</li> <li>• K8LE1    • K8LE2    • K8LE3</li> <li>• K8ES20    • K8ES30</li> <li>K8FE STRAINER</li> <li>• K8FE1(1)    • K8FE2(2)</li> <li>• K8FE3(3)    • K8FE4(4)</li> <li>KOL • KOF STRAINER</li> <li>• PA(QA)    • PB(QB)    • PC(QC)</li> <li>• PD(QD)    • PED(QED)    • PF(QF)</li> <li>• PFC(QFC)    • PG(QG)    • PGA(QGA)</li> <li>• PL(QL)    • PE(QE)    • PW(QW)</li> <li>UNI/FV • UNI/LV FILTER</li> <li>• UNI/FV3    • UNI/FV4    • UNI/FV5</li> <li>• UNI/LV3    • UNI/LV4    • UNI/LV5</li> <li>JGP FILTER</li> <li>• BK1    • BK3    • BK4</li> <li>KBW STRAINER</li> <li>• KBW    • K8ESW</li> </ul>
			Auxiliary equipment (oil purifier)	<ul style="list-style-type: none"> <li>Lubricating oil cleaning devices</li> <li>• L-PUX400    • L-PUX800</li> <li>• L-PUX1200</li> </ul>
10	7-Dec-12	Japan Engine Corporation (Ex. Name: Kobe Diesel Co., Ltd.)	Diesel engine	<ul style="list-style-type: none"> <li>• UEC60LS II    • UEC60LS II -Eco</li> <li>• UEC50LS II    • UEC45LSE</li> <li>• UEC45LSE-1</li> </ul>
11	15-Jan-13	JFE Engineering Corporation	Diesel engine	<ul style="list-style-type: none"> <li>• 12PC2-6B</li> </ul>

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No.	Issue date	Member name	Product name	Model
12	6-Feb-13	Kamome Propeller Co., Ltd.	Propeller shaft	• Fixed Pitch Propellers & Shafting Instrument
				• Controllable Pitch Propeller (36,38,45,53,65,80,90,95,100,110,115,120,130,140,150,160,170Type)
				• Side Thrusters (TCA-15, TCB-35,55,70,90,110,135,160,195,235)
				(TF-03, TFA-06,10,14,20,25,35,50,65,80,110)
				(TFL-04,07,20)
				• Omni Thruster (JT575-1AM)
13	26-Feb-13	Akasaka Diesels Limited	Diesel engine	4 Stroke
				• A28(S) • A31 • AX28 • AX31 • AX33 • AX33B • AX34
				• A34C • A34(S) • A37 • A38(S) • A41(S) • A45(S)
				• T26(S,SK) • K26S(SK) • K28 • K28B • K28S • K31 • K31S
				• E28(K) • E28B(BK) • E28BS • U28AK • DM40AK • AH41AK
				2 Stroke
			• UEC37LA • UEC45LA • UEC52LA • UEC52LS • UEC60LS	
			• UEC33LS II Eco • UEC45LSE-Eco • UEC33LS II • UEC37LS II	
			• UEC43LS II • UEC50LS II • UEC60LS II • UEC45LSE • UEC50LSE	
			Electrical equipment	Remote control equipment
				• AEL-1U • APN-1 • APN-1U • ARC-E1 • ARC-E1CT • ARC-E1T
				• ARC-EP1 • ARC-P1 • ARC-P1U • ARC-P2 • ARR-E1T • ARR-E1U
				• ARR-E2 • ARR-E2T • ARR-E2Y • ARR-E2YT • ARR-EP1T
• ARR-P1 • ARR-P2 • ARR-P3 • ARS-E1T • ARS-E1U • ARS-E1UT				
• ARS-EP1T • ARS-EP1UT • ARS-P1 • ARS-P1U • ARS-P2				
14	28-Mar-13	Sasakura Engineering CO., Ltd.	Heat exchanger	Fresh Water Generator
				• K10 • K15 • K20 • K25 • K30 • K35 • K40 • K50 • K60
				• KE3 • KE5 • KE10 • KE15 • KE20 • KE25 • KE30 • KE35
				• KE40 • KE50
				• KM10 • KM15 • KM20 • KM25 • KM30 • KM35 • KM40
• KM50 • KM60 • KM80 • KM100				
15	28-Mar-13	Sasakura Engineering CO., Ltd.	Heat exchanger	Plate Type Fresh Water Generator
				• EX05RE • EX10RE • EX15RE • EX20RE • EX25RE • EX30RE
				• EX35RE • EX40RE • EX45RE
				• EX05RM • EX10RM • EX15RM • EX20RM • EX25RM • EX30RM
				• EX35RM • EX40RM • EX45RM • EX60SE • EX60SM

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No.	Issue date	Member name	Product name	Model
16	28-Mar-13	Sasakura Engineering CO., Ltd.	Heat exchanger	Multi-Effect Submerged Tube Type Fresh Water Generator
				• V-40DE • V-50DE • V-60DE • V-75DE • V-100DE • V-150DE
				• V-100TE • V-150TE • V-200TE
17	19-Apr-13	Sasakura Engineering CO., Ltd.	Tank(Oil-water separator)	Bilge Separator
				• SHT-015 • SHT-05 • SHT-1 • SHT-2 • SHT-3
				• SHT-5 • SHT-10
18	19-Apr-13	Sasakura Engineering CO., Ltd.	Tank(Sewage treatment equipment)	Sewage Treatment Plant
				• SD-3R • SD-4R • SD-6R • SD-9R • SD-12R • SD-15R
				• SD-22R • SD-29R • SD-35R
			Electrical equipment (electrical equipment for navigation)	• SD-3RN • SD-4RN • SD-6RN • SD-9RN
19	25-Jun-13	Ibuki Kogyo Co., Ltd.	Electrical equipment (various signal equipment)	Piston Horn • MH700, • MH700-H, • MH550, • MH550-H
				Air Horn
				• A200ES, • A200ESH, • A200ES-B, • A200ESH-B, • A180ESS,
				• A180ESSH, • A150ESS, • A150ESSH, • A150ES, • A150ESH,
				• A150E, • A150EH, • A100, • A100E, • A100EH, • 85AL, • 85EAL,
				• 85EAL-H, • 75-EUL, • 75-EULS, • 75-DEUL
				Air Whistles • 6-EV/32-W, • 6-EV-45-W
				Magnet Horn • E150, • E150-H, • E90, • E85
				Electronic Horn • ES300, • ES300-H, • ES15
				Motor Siren • Q100, • Q100-H, • F30, • F40
				Manoeuvring Light • ML
				Morse Signal Light • MSL60, • MSL80, • MSL120
				Flashing Light • FR4S, • FG4S, • FY4S, • FR4F, • FG4F
				Auto Bell and Bell Gong System
				• EDBG100, • CONTROL UNIT, • OSCILLATOR UNIT
				Sound Reception System
				• SRS-100, • SRS-400 • CONTROL PANEL
				Time Controller • STM-6, • STM-8, • STM-8Z
				Indicator Columun • AIC10, • AIC20, • AIC30
				Alarm Signal Generator • ASG-1000, • PANEL SWICH
				Electronic Alarm • EA115, • EA115E, • EA113, • EA110, • EA110E,
				• AZ115
				Electronic Bell • EB-300S, • EB-300F, • EBW-300
				Mini Alarm • MA-300S, • MA-300F, • MA-300

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No.	Issue date	Member name	Product name	Model
				Electronic Buzzer ・SB-2S, ・SB-2F, ・SBW-2S, ・SBZ-2S, ・SBZ-2F, SBWZ-2S
				Rotating Lights ・RF4, ・RF5
				Flash Beacon ・LF5, ・LF4, ・LF5-3
				Strobo Lights ・SF1, ・SF4, ・SF6
				Electronic Alarm System & Speaker ・ENA- 50, ・ENA-100, ・ENA-200, ・SPTW-10, ・SPTW-15
				Marine Tone ・MT-N70/MT-N71, ・MT-N80/MT-N81, ・MT-N90/MT-N91, ・MT-D50/MT-N51, ・MT-W30, ・MT-W10, ・MT-W70, ・MT-W50
				BNWAS ・iWAS-100-CP, ・iWAS-100-TB, ・iWAS-100-SP, ・iWAS-100-EA, ・iWAS-RSWB, ・iWAS-MS, ・iWAS-SB-3S, ・iWAS-200-CP, ・iWAS-200-TR
			Electrical equipment (light source device)	Nauti Light ・PL100, ・WL100, ・CL100, ・FLDW-700, ・FLDN-700, ・FLD-300, ・NLFL03W-F, ・NLFL03W(L)-F, ・LBX-80W, ・LBX-40W, ・LBX-20W
			Electrical equipment (marine connection box)	Box ・Relay Box, ・JB Series
20	2-Oct-13	Japan Engine Corporation (Ex. Name: Kobe Diesel Co., Ltd.)	Diesel engine	・UEC60 LSE-Eco-A2 ・UEC50 LSE-Eco-B1 ・UEC45 LSE-Eco-B2 ・UEC45 LSE-B2 ・UEC45 LSE-Eco-1
21	7-Feb-14	Nakashima Propeller Co., Ltd.	Propeller shaft	・Fixed Pitch Propeller
22	29-May-14	Daihatsu Diesel Mfg.Co., Ltd	Diesel engine	・M2, ・M5, ・6DL-16Ae, ・5DC-17Ae, ・6DC-17Ae, ・6DE-18 ・5DK-20e, ・6DK-20e, ・8DK-20e, ・6DE-23, ・5DK-26e ・6DK-26e, ・6DK-28e, ・8DK-28e, ・6DC-32e, ・8DC-32e ・6DK-36e, ・8DK-36e, ・12DK-36e, ・6DEM-18, ・6DKM-20e ・6DEM-23, ・6DKM-26e, ・6DKM-28e, ・8DKM-28e, ・6DCM-32e ・8DCM-32e, ・6DKM-36e, ・8DKM-36e, ・12DKM-36e
23	8-Sep-14	The Hanshin Diesel Works	Diesel engine	・LH(C)26, ・LH28, ・LH(C)28L, ・MX28, ・LH30L, ・LH31, ・LH32L, ・LA28, ・LA30, ・LA32, ・LA34, ・LH34L(A), ・LH36L(A), ・LH38L, ・LH41L(A), ・LH46L(A), ・LH46L(A)E, ・L35MC6, ・S35MC7
24	15-Dec-14	Japan Engine Corporation	Diesel engine	・UEC50 LSH-Eco-C2
25	4-Mar-15	Yanmar Holdings CO., Ltd.	Diesel engine	・6/8EY33

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No.	Issue date	Member name	Product name	Model
26	18-Jun-15	The Hanshin Diesel Works	Diesel engine	<ul style="list-style-type: none"> <li>・ LH41L(A)E</li> <li>〈AIR CONDITIONER MODEL〉</li> <li>・ UAD-19SSSD4-1, ・ UAD-19SSFD4-1, ・ UAD-22SSSD4-1,</li> <li>・ UAD-22SSFD4-1, ・ UAD-26SSSD4-1, ・ UAD-26SSFD4-1,</li> <li>・ UAD-30SSSD4-1, ・ UAD-30SSFD4-1, ・ UAD-33SSSD4-1,</li> <li>・ UAD-33SSFD4-1, ・ UAD-37SSSD4-1, ・ UAD-37SSFD4-1,</li> <li>・ UAD-45SSSD4-1, ・ UAD-45SSFD4-1,</li> <li>・ UAD-19SSSB4-1, ・ UAD-19SSFB4-1, ・ UAD-22SSSB4-1,</li> <li>・ UAD-22SSFB4-1, ・ UAD-26SSSB4-1, ・ UAD-26SSFB4-1,</li> <li>・ UAD-30SSSB4-1, ・ UAD-30SSFB4-1, ・ UAD-33SSSB4-1,</li> <li>・ UAD-33SSFB4-1, ・ UAD-37SSSB4-1, ・ UAD-37SSFB4-1,</li> <li>・ UAD-45SSSB4-1, ・ UAD-45SSFB4-1,</li> <li>・ UAD-19SSSZ4-1, ・ UAD-19SSFZ4-1, ・ UAD-22SSSZ4-1,</li> <li>・ UAD-22SSFZ4-1, ・ UAD-26SSSZ4-1, ・ UAD-26SSFZ4-1,</li> <li>・ UAD-30SSSZ4-1, ・ UAD-30SSFZ4-1, ・ UAD-33SSSZ4-1,</li> <li>・ UAD-33SSFZ4-1, ・ UAD-37SSSZ4-1, ・ UAD-37SSFZ4-1,</li> <li>・ UAD-45SSSZ4-1, ・ UAD-45SSFZ4-1,</li> <li>・ UAD-19SSSB7-1, ・ UAD-19SSFB7-1, ・ UAD-22SSSB7-1,</li> <li>・ UAD-22SSFB7-1, ・ UAD-26SSSB7-1, ・ UAD-26SSFB7-1,</li> <li>・ UAD-30SSSB7-1, ・ UAD-30SSFB7-1, ・ UAD-33SSSB7-1,</li> <li>・ UAD-33SSFB7-1, ・ UAD-37SSSB7-1, ・ UAD-37SSFB7-1,</li> <li>・ UAD-45SSSB7-1, ・ UAD-45SSFB7-1,</li> <li>・ UAD-19SSSZ7-1, ・ UAD-19SSFZ7-1, ・ UAD-22SSSZ7-1,</li> <li>・ UAD-22SSFZ7-1, ・ UAD-26SSSZ7-1, ・ UAD-26SSFZ7-1,</li> <li>・ UAD-30SSSZ7-1, ・ UAD-30SSFZ7-1, ・ UAD-33SSSZ7-1,</li> <li>・ UAD-33SSFZ7-1, ・ UAD-37SSSZ7-1, ・ UAD-37SSFZ7-1,</li> <li>・ UAD-45SSSZ7-1, ・ UAD-45SSFZ7-1,</li> <li>・ UAP-19SSSD4-2, ・ UAP-19SSFD4-2, ・ UAP-22SSSD4-1,</li> <li>・ UAP-22SSFD4-1,</li> <li>・ UAP-19SSSB4-2, ・ UAP-19SSFB4-2, ・ UAP-22SSSB4-1,</li> <li>・ UAP-22SSFB4-1,</li> <li>・ UAP-19SSSZ4-2, ・ UAP-19SSFZ4-2, ・ UAP-22SSSZ4-1,</li> <li>・ UAP-22SSFZ4-1,</li> <li>・ UAP-19SSSB7-2, ・ UAP-19SSFB7-2, ・ UAP-22SSSB7-1,</li> </ul>
27	2-Nov-15	Ushio Reinetsu Co., Ltd.	Air conditioner (deck unit type marine air conditioner)	<ul style="list-style-type: none"> <li>・ UAD-19SSSD4-1, ・ UAD-19SSFD4-1, ・ UAD-22SSSD4-1,</li> <li>・ UAD-22SSFD4-1, ・ UAD-26SSSD4-1, ・ UAD-26SSFD4-1,</li> <li>・ UAD-30SSSD4-1, ・ UAD-30SSFD4-1, ・ UAD-33SSSD4-1,</li> <li>・ UAD-33SSFD4-1, ・ UAD-37SSSD4-1, ・ UAD-37SSFD4-1,</li> <li>・ UAD-45SSSD4-1, ・ UAD-45SSFD4-1,</li> <li>・ UAD-19SSSB4-1, ・ UAD-19SSFB4-1, ・ UAD-22SSSB4-1,</li> <li>・ UAD-22SSFB4-1, ・ UAD-26SSSB4-1, ・ UAD-26SSFB4-1,</li> <li>・ UAD-30SSSB4-1, ・ UAD-30SSFB4-1, ・ UAD-33SSSB4-1,</li> <li>・ UAD-33SSFB4-1, ・ UAD-37SSSB4-1, ・ UAD-37SSFB4-1,</li> <li>・ UAD-45SSSB4-1, ・ UAD-45SSFB4-1,</li> <li>・ UAD-19SSSZ4-1, ・ UAD-19SSFZ4-1, ・ UAD-22SSSZ4-1,</li> <li>・ UAD-22SSFZ4-1, ・ UAD-26SSSZ4-1, ・ UAD-26SSFZ4-1,</li> <li>・ UAD-30SSSZ4-1, ・ UAD-30SSFZ4-1, ・ UAD-33SSSZ4-1,</li> <li>・ UAD-33SSFZ4-1, ・ UAD-37SSSZ4-1, ・ UAD-37SSFZ4-1,</li> <li>・ UAD-45SSSZ4-1, ・ UAD-45SSFZ4-1,</li> <li>・ UAD-19SSSB7-1, ・ UAD-19SSFB7-1, ・ UAD-22SSSB7-1,</li> <li>・ UAD-22SSFB7-1, ・ UAD-26SSSB7-1, ・ UAD-26SSFB7-1,</li> <li>・ UAD-30SSSB7-1, ・ UAD-30SSFB7-1, ・ UAD-33SSSB7-1,</li> <li>・ UAD-33SSFB7-1, ・ UAD-37SSSB7-1, ・ UAD-37SSFB7-1,</li> <li>・ UAD-45SSSB7-1, ・ UAD-45SSFB7-1,</li> <li>・ UAD-19SSSZ7-1, ・ UAD-19SSFZ7-1, ・ UAD-22SSSZ7-1,</li> <li>・ UAD-22SSFZ7-1, ・ UAD-26SSSZ7-1, ・ UAD-26SSFZ7-1,</li> <li>・ UAD-30SSSZ7-1, ・ UAD-30SSFZ7-1, ・ UAD-33SSSZ7-1,</li> <li>・ UAD-33SSFZ7-1, ・ UAD-37SSSZ7-1, ・ UAD-37SSFZ7-1,</li> <li>・ UAD-45SSSZ7-1, ・ UAD-45SSFZ7-1,</li> <li>・ UAP-19SSSD4-2, ・ UAP-19SSFD4-2, ・ UAP-22SSSD4-1,</li> <li>・ UAP-22SSFD4-1,</li> <li>・ UAP-19SSSB4-2, ・ UAP-19SSFB4-2, ・ UAP-22SSSB4-1,</li> <li>・ UAP-22SSFB4-1,</li> <li>・ UAP-19SSSZ4-2, ・ UAP-19SSFZ4-2, ・ UAP-22SSSZ4-1,</li> <li>・ UAP-22SSFZ4-1,</li> <li>・ UAP-19SSSB7-2, ・ UAP-19SSFB7-2, ・ UAP-22SSSB7-1,</li> </ul>

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				<ul style="list-style-type: none"> <li>・ UAP-22SSFB7-1,</li> <li>・ UAP-19SSSZ7-2,    ・ UAP-19SSFZ7-2,    ・ UAP-22SSSZ7-1,</li> <li>・ UAP-22SSFZ7-1,</li> </ul>
				Special Model except those mentioned above.
27	2-Nov-15	Ushio Reinetsu Co., Ltd.	Air conditioner (package type marine air conditioner)	〈PACKAGED AIR CONDITIONER MODEL〉 <ul style="list-style-type: none"> <li>・ UAP-2HS4DL4-1,    ・ UAP-2HF4DL4-1,    ・ UAP-2HS4PL4-1,</li> <li>・ UAP-2HF4PL4-1,    ・ UAP-3HS4DL4-1,    ・ UAP-3HF4DL4-1,</li> <li>・ UAP-3HS4PL4-1,    ・ UAP-3HF4PL4-1,    ・ UAP-5HS4DL4-1,</li> <li>・ UAP-5HF4DL4-1,    ・ UAP-5HS4PL4-1,    ・ UAP-5HF4PL4-1,</li> <li>・ UAP-7HS4DL4-1,    ・ UAP-7HF4DL4-1,    ・ UAP-7HS4PL4-1,</li> <li>・ UAP-7HF4PL4-1,    ・ UAP-10HS4DL4-1,    ・ UAP-10HF4DL4-1,</li> <li>・ UAP-15HS4DL4-1,    ・ UAP-15HF4DL4-1,</li> <li>・ UAP-2HS4DL7-1,    ・ UAP-2HF4DL7-1,    ・ UAP-2HS4PL7-1,</li> <li>・ UAP-2HF4PL7-1,    ・ UAP-3HS4DL7-1,    ・ UAP-3HF4DL7-1,</li> <li>・ UAP-3HS4PL7-1,    ・ UAP-3HF4PL7-1,    ・ UAP-5HS4DL7-1,</li> <li>・ UAP-5HF4DL7-1,    ・ UAP-5HS4PL7-1,    ・ UAP-5HF4PL7-1,</li> <li>・ UAP-7HS4DL7-1,    ・ UAP-7HF4DL7-1,    ・ UAP-7HS4PL7-1,</li> <li>・ UAP-7HF4PL7-1,    ・ UAP-10HS4DL7-1,    ・ UAP-10HF4DL7-1,</li> <li>・ UAP-15HS4DL7-1,    ・ UAP-15HF4DL7-1,</li> </ul>
				Special Model except those mentioned above.
27	2-Nov-15	Ushio Reinetsu Co., Ltd.	Air conditioner (package type marine air conditioner (for galley))	〈PACKAGED AIR CONDITIONER MODEL FOR GALLEY〉 <ul style="list-style-type: none"> <li>・ UAPG-2HS4DL4-1,    ・ UAPG-2HF4DL4-1,    ・ UAPG-3HS4DL4-1,</li> <li>・ UAPG-3HF4DL4-1,    ・ UAPG-5HS4DL4-1,    ・ UAPG-5HF4DL4-1,</li> <li>・ UAPG-W2HS4DL4-1,    ・ UAPG-W2HF4DL4-1,    ・ UAPG-W3HS4DL4-1,</li> <li>・ UAPG-W3HF4DL4-1,    ・ UAPG-W2HS4PL4-1,    ・ UAPG-W2HF4PL4-1,</li> <li>・ UAPG-W3HS4PL4-1,    ・ UAPG-W3HF4PL4-1,</li> <li>・ UAPG-R2HS4DL4-1,    ・ UAPG-R2HF4DL4-1,    ・ UAPG-R3HS4DL4-1,</li> <li>・ UAPG-R3HF4DL4-1,</li> <li>・ UAPG-2HS4DL7-1,    ・ UAPG-2HF4DL7-1,    ・ UAPG-3HS4DL7-1,</li> <li>・ UAPG-3HF4DL7-1,    ・ UAPG-5HS4DL7-1,    ・ UAPG-5HF4DL7-1,</li> <li>・ UAPG-W2HS4DL7-1,    ・ UAPG-W2HF4DL7-1,    ・ UAPG-W3HS4DL7-1,</li> <li>・ UAPG-W3HF4DL7-1,    ・ UAPG-W2HS4PL7-1,    ・ UAPG-W2HF4PL7-1,</li> <li>・ UAPG-W3HS4PL7-1,    ・ UAPG-W3HF4PL7-1,</li> <li>・ UAPG-R2HS4DL7-1,    ・ UAPG-R2HF4DL7-1,    ・ UAPG-R3HS4DL7-1,</li> </ul>

## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
				<ul style="list-style-type: none"> <li>・ UAPG-R3HF4DL7-1,</li> </ul>
				Special Model except those mentioned above.
				〈REF. PROVISION PLANT MODEL〉
				<ul style="list-style-type: none"> <li>・ URS-2.2SSSD4-1,    ・ URS-2.2SSFD4-1,    ・ URS-3.0SSSD4-1,</li> <li>・ URS-3.0SSFD4-1,    ・ URS-3.7SSSD4-1,    ・ URS-3.7SSFD4-1,</li> <li>・ URS-5.5SSSD4-1,    ・ URS-5.5SSFD4-1,</li> <li>・ URS-2.2HSSD4-1,    ・ URS-2.2HSFD4-1,    ・ URS-3.0HSSD4-1,</li> <li>・ URS-3.0HSFD4-1,    ・ URS-3.7HSSD4-1,    ・ URS-3.7HSFD4-1,</li> <li>・ URS-5.5HSSD4-1,    ・ URS-5.5HSFD4-1,</li> <li>・ URS-2.2SSSB4-1,    ・ URS-2.2SSFB4-1,    ・ URS-3.0SSSB4-1,</li> <li>・ URS-3.0SSFB4-1,    ・ URS-3.7SSSB4-1,    ・ URS-3.7SSFB4-1,</li> <li>・ URS-5.5SSSB4-1,    ・ URS-5.5SSFB4-1,    ・ URS-7.5SSSB4-1,</li> <li>・ URS-7.5SSFB4-1,</li> <li>・ URS-2.2SSSZ4-1,    ・ URS-2.2SSFZ4-1,    ・ URS-3.0SSSZ4-1,</li> <li>・ URS-3.0SSFZ4-1,    ・ URS-3.7SSSZ4-1,    ・ URS-3.7SSFZ4-1,</li> <li>・ URS-5.5SSSZ4-1,    ・ URS-5.5SSFZ4-1,    ・ URS-7.5SSSZ4-1,</li> <li>・ URS-7.5SSFZ4-1,</li> <li>・ URS-2.2SSSB7-1,    ・ URS-2.2SSFB7-1,    ・ URS-3.0SSSB7-1,</li> <li>・ URS-3.0SSFB7-1,    ・ URS-3.7SSSB7-1,    ・ URS-3.7SSFB7-1,</li> <li>・ URS-5.5SSSB7-1,    ・ URS-5.5SSFB7-1,    ・ URS-7.5SSSB7-1,</li> <li>・ URS-7.5SSFB7-1,</li> <li>・ URS-2.2SSSZ7-1,    ・ URS-2.2SSFZ7-1,    ・ URS-3.0SSSZ7-1,</li> <li>・ URS-3.0SSFZ7-1,    ・ URS-3.7SSSZ7-1,    ・ URS-3.7SSFZ7-1,</li> <li>・ URS-5.5SSSZ7-1,    ・ URS-5.5SSFZ7-1,    ・ URS-7.5SSSZ7-1,</li> <li>・ URS-7.5SSFZ7-1,</li> <li>・ URS-3.7OSSB4-1,    ・ URS-3.7OSFB4-1,    ・ URS-5.5OSSB4-1,</li> <li>・ URS-5.5OSFB4-1,    ・ URS-7.5OSSB4-1,    ・ URS-7.5OSFB4-1,</li> <li>・ URS-3.7OSSZ4-1,    ・ URS-3.7OSFZ4-1,    ・ URS-5.5OSSZ4-1,</li> <li>・ URS-5.5OSFZ4-1,    ・ URS-7.5OSSZ4-1,    ・ URS-7.5OSFZ4-1,</li> </ul>
27	2-Nov-15	Ushio Reinetsu Co., Ltd.	Others (Fridge refrigerators)	Special Model except those mentioned above.
				〈CHILLING UNIT MODEL〉
				<ul style="list-style-type: none"> <li>・ UWC-2HSSL4,    ・ UWC-2HSFL4,    ・ UWC-3HSSL4,</li> <li>・ UWC-3HSFL4,    ・ UWC-5HSSL4,    ・ UWC-5HSFL4,</li> <li>・ UWC-7HSSL4,    ・ UWC-7HSFL4,    ・ UWC-10SSSB4,</li> </ul>



## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
27	2-Nov-15	Ushio Reinetsu Co., Ltd.	Other (chiller type air conditioner)	· UWC-10SSFB4, · UWC-15SSSB4, · UWC-15SSFB4,
				· UWC-22SSSB4, · UWC-22SSFB4, · UWC-37SSSB4,
				· UWC-37SSFB4,
				· UWC-2HSSL4-1, · UWC-2HSFL4-1, · UWC-3HSSL4-1,
				· UWC-3HSFL4-1, · UWC-5HSSL4-1, · UWC-5HSFL4-1,
				· UWC-7HSSL4-1, · UWC-7HSFL4-1, · UWC-10SSSB4-1,
				· UWC-10SSFB4-1, · UWC-15SSSB4-1, · UWC-15SSFB4-1,
				· UWC-22SSSB4-1, · UWC-22SSFB4-1, · UWC-37SSSB4-1,
				· UWC-37SSFB4-1,
				Special Model except those mentioned above.
28	16-Feb-16	The Hanshin Diesel Works	Diesel engine	· LA32E
29	26-Aug-16	Daihatsu Diesel Mfg.Co., Ltd	Diesel engine	· 6DE-20, · 6DE-28, · 8DE-28, · 12DE-28e, · 16DE-28e,
				· 6DE-33, · 8DE-33, · 6DLM-16Ae, · 6DEM-20, · 6DEM-28,
				· 8DEM-28, · 6DEM-33, · 8DEM-33,
30	21-Jun-17	The Hanshin Diesel Works	Diesel engine	· S30ME-B9.5
31	16-Nov-17	The Hanshin Diesel Works	Auxiliary equipment (pump)	<1 SCREW PUMP>
				· HNC(S)-301, 401
				· HNP(S)-201, 202, 301, 302, 401, 402, 601, 602, 801
				<2 SCREW PUMP>
				· CSE(S)-600, 1000, 1200, 1300, 1500, 1800
				· CSL(S)-50, 100, 150, 200, 300, 400, 500, 600, 750, 800
				· CSZ(S)-10, 30
				<3 SCREW PUMP>
				· MSB(S)-6, 7.5, 10, 12, 15, 20
				· MSD(S)-0.3, 0.5, 1, 1.5, 2, 3, 4, 5, 6, 7.5, 10, 12, 15, 20, 25, 30, 35
				· MSDK(S)-0.3, 0.5, 1, 1.5, 2, 3, 4, 5, 6, 7.5, 10, 12, 15, 20, 25, 30, 35
				· MSDV(S)-0.3, 0.5, 1, 1.5, 2, 3, 4, 5, 6, 7.5, 10, 12, 15, 20, 25, 30, 35
				· MSDKV(S)- 0.3, 0.5, 1, 1.5, 2, 3, 4, 5, 6, 7.5, 10, 12, 15, 20, 25, 30, 35
				· MSH(S)-1, 2, 3, 4, 6, 7.5, 10, 12, 15, 20, 25, 30
				· MSH-X(S)-2X, 3X, 5X, 6X, 7.5X, 10X, 12X, 15X, 20X, 25X, 30X
				· MST(S)-30, 40, 50, 65, 80, 90, 100, 110, 120, 135, 150, 165, 180, 200, 225,
· MSTE(S)-30, 40, 50, 65, 80, 90, 100, 110, 120, 135, 150, 165				
<GEAR PUMP>				
				· BHG(S)-30, 35, 40, 50, 65, 80, 90, 100, 110, 120, 135, 150, 175, 200

## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
31	16-Nov-17	Taiko Kikai Industries Co., Ltd.	Auxiliary equipment (pump)	• F-1.5, 2.5, 6, 14, 20, 24, 30, 34, 40, 50, 60, 90
				• FH-20, 40    • FN-9, 12, 15, 30    • FS-2, 4, 7.5, 10
				• GPL2(S), GPM2(S)-15, 20, 25, 32, 40, 50
				• HG(S)-35, 40, 50, 65, 80, 90, 100, 110, 120, 135, 150, 175, 200
				• HHC(S)-1, 1.5, 2, 2.5, 3, 4, 5, 6, 7.5, 10, 12, 15, 20, 25, 30, 35
				• HHR(S)-2.5, 3, 4, 5, 6, 7.5, 10, 12, 15, 20
				• LBS-150, 190    • LGB(S)-10, 15, 20, 25, 32, 40, 50    • LS-6
				• NHG(S)-0.3, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7.5, 10, 12, 15, 20, 25, 30
				• NHGH(S)-0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7.5, 10, 12, 15, 20
				• OL-1.2, 1.5, 2, 3, 4.5, 20, 24, 32, 40, 42, 45, 50, 70, 75, 80
				• SL(S)-3, 5, 10, 15, 20, 25, 30, 35
				• SLW(S)-3, 5, 10, 15, 20, 25, 30, 35
				• VG(S)-15, 20, 25, 30, 35, 40, 50, 65, 80, 90, 100, 110, 120, 135, 150, 175, 200
				• VHB(S)-1.5, 2, 3, 4, 7.5, 10
				• VLG(S)-4, 5
				• CGH(S)-200, 300, 400, 500, 600
				• CGL(S)-60, 120, 150, 200, 300, 400, 500, 600, 750, 1000, 1200, 1300, 1500
				• CWH(S)-200, 300, 400, 500, 600
				• CWL(S)-120, 150, 200, 300, 400, 500, 600
				• CJH(S)-200, 300, 400, 500, 600
				• CJL(S)-200, 300, 400, 500
				• CUL-60, 120, 150, 200
	• 2BF(S) -100, 101, 125    • 2BF(S)E-100, 101, 125    • 2BF(S)N-100, 101,			
	• 2HC(S) -50    • 2HC(S)E-50    • 2HC(S)N-50			
	• 2MF(X,S) -52, 72    • 2MF(X,S)E-52, 72			
	• 2MS(S) -100, 125×100, 200×150, 250×200			
	• 2MS(S)E-100, 125×100, 200×150, 250×200			
	• 2MS(S)N-100, 125×100, 200×150, 250×200			
	• 4MS(S) -50, 80, 125×100    • 4MS(S)E-50, 80, 125×100			
	• 4MS(S)N-50, 80, 125×100			
	• C1(2)T(S)-200, 250, 300, 350, 400, 450			
	• CR-50S    • CR-125H			
	• CVC(S)-65, 100, 125			

## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
31	16-Nov-17	Taiko Kikai Industries Co., Ltd.	Auxiliary equipment (pump)	• EHC(S) -41, 51, 65, 70, 81, 100, 101, 130, 150, 151, 201
				• EHC(S)E-41, 51, 65, 70, 81, 100, 101, 130, 150, 151, 201
				• EHC(S)N-41, 51, 65, 70, 81, 100, 101, 130, 150, 151, 201
				• EHC(S)V-65, 100
				• EHC(S)J-50J, 51J, 65J, 70J, 100J, 101J
				• EHS(S)-41, 51, 70, 81, 100, 101, 130, 151, 201, 251
				• EMC(S) -100, 125, 130, 150, 200, 250, 260
				• EMC(S)E-100, 125, 130, 150, 200, 250, 260
				• EMC(S)N-100, 125, 130, 150, 200, 250
				• EMD(S) -150, 200, 250, 300, 350, 400, 450, 500, 550, 600
				• EMD(S)E-150, 200, 250, 300, 350, 400, 450, 500, 550, 600
				• EMD(S)N-150, 200, 250, 300, 350, 400, 450, 500, 550, 600
				• EMS(S) -150, 200, 250, 260      • EMS(S)E-150, 200, 250, 260
				• EMS(S)N-150, 200, 250, 260
				• ESC(S) -100, 125, 150, 200, 250, 260
				• ESC(S)E-100, 125, 150, 200, 250, 260
				• ESC(S)N-100, 125, 150, 200, 250, 260
				• ESD(S) -300, 350, 400, 450, 500      • ESD(S)E-300, 350, 400, 450, 500
				• ESD(S)N-300, 350, 400, 450, 500
				• EVC(S) -100, 125, 130, 150, 151, 200, 201, 250, 251, 252
				• EVC(S)E-100, 125, 130, 150, 151, 200, 201, 250, 251, 252
				• EVC(S)N-100, 125, 130, 150, 151, 200, 201, 250, 251, 252
				• EVS(S)-100, 125, 130, 150, 200
				• FHC(S) -100, 125, 150, 250, 300, 350      • FHC(S)E-100, 125, 150, 250, 300,
				• FHC(S)N-100, 125, 150, 250, 300, 350
				• FMC(S) -125      • FMC(S)E-125      • FMC(S)N-125
				• HC(S) -32, 200, 250      • HC(S)E-32, 200, 250      • HC(S)N-32, 200, 250
				• HC(S)J-32J, 40J, 50J, 51J, 70J, 101J      • HC(S)-50S
				• HD(S) -250, 260, 300, 350, 400, 450      • HD(S)E-250, 260, 300, 350, 400,
				• HD(S)N-250, 260, 300, 350, 400, 450
				• 2(3,4)MT(S) -32, 50, 80      • 2(3,4)MT(S)E-32, 50, 80
				• 2(3,4)MT(S)N-32, 50, 80
				• TDC(S)-40
				• TMC(S)-32, 40, 50, 65, 80, 100, 125      • TMC(S)E-32, 40, 50, 65, 80, 100, 125

## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
				<ul style="list-style-type: none"> <li>・ TMS(S)-40, 50, 65, 80, 100, 125</li> <li>・ TMV(S)-32, 40, 50, 65, 80, 100, 125      ・ TMV(S)E-32, 40, 50, 65, 80, 100, 125</li> <li>・ VS(S) -100, 125, 150, 200, 250      ・ VS(S)E-100, 125, 150, 200, 250</li> <li>・ VS(S)N-100, 125, 150, 200, 250</li> <li>・ VS(S)-S-150, 300      ・ VS(S)E-S-150, 300      ・ VS(S)N-S-150, 300</li> <li>・ MTDP(D)-80, 100, 125, 150, 200, 250</li> <li>・ T2FID(H)      ・ T2FIS      ・ SHQ-50      ・ SVA-200, 250, 300, 350      ・ RVX-200</li> </ul>
31	16-Nov-17	Taiko Kikai Industries Co., Ltd.	Auxiliary equipment (pump)	<ul style="list-style-type: none"> <li>〈GEAR BOX〉</li> <li>・ TR, 2TR, 3TR, 4TR, 5TR, TRG</li> <li>・ HLD, RGA, RGC, SGAY, SGC, SGY</li> <li>〈STUFFING BOX〉</li> <li>・ A250C, A300C, A400C, A500C, A700C, A800C</li> <li>〈VACUUM PUMP〉</li> <li>・ RB-40P, 65P</li> <li>〈VACUUM TANK〉</li> <li>・ UVE(S)-22B, 45</li> <li>〈HYDROPHO UNIT TANK〉</li> <li>・ UH(S)-0.3, 0.5, 0.6, 1.0, 1.5, 2.0</li> <li>〈PRESSURE TANK〉</li> <li>・ VPT(S)-100, 150, 200, 300, 400, 500, 600, 1000, 1500, 2000, 2500, 3000</li> <li>〈SEWAGE TREATMENT DEVICE〉</li> <li>・ SBH-15, 25, 40, 65, 90, 120, 150, 200</li> <li>〈SEWAGE COLLECTING TANK〉</li> <li>・ SCT, CRP</li> <li>〈ROTARY BLOWER〉</li> <li>・ TSS-20, 25, 32      ・ TSA-40      ・ SSR-50</li> <li>〈VACUUM PUMP〉</li> <li>・ N-20, 20C, 20A, 40      ・ NVP-20, 40      ・ SKH</li> <li>〈EJECTOR〉</li> <li>・ PSA-600, 1200      ・ PSB-600 ER</li> <li>〈VANE PUMP〉</li> <li>・ VVP-16</li> <li>〈BILGE SEPARATOR〉</li> <li>・ USH-01, 03, 05, 10, 20, 50</li> </ul>

## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
				〈OILY WATER SEPARATOR FOR ENGINEROOM BILGE〉 ・ PPU-1, 2, 5 〈EMULSON FILTER〉 ・ SF-2, 5 〈FILTER UNIT FOR BILGE ALARM〉 ・ FU-01, 05, 20      ・ FUH-10, 20 〈BILGE ALARE〉 ・ FOCAS-1800, 2000      ・ SMART-CELL 〈CASCADE PUMP〉 ・ 25STS      ・ 25STWS      ・ SUP-254M      ・ TCBS-27M      ・ CFP-25, 26 〈SUBMERSIBLE CUTTER PUMP〉 ・ TCR-80, 100, 125, 150 〈ROOTS TYPE PUMP〉 ・ AGM95/1,      ・ AGM190/2 〈DIAPHRAGM PUMP〉 ・ XPX200 〈PISTON PUMP〉 ・ PD-03NS      ・ LD-05NSA(B), 1NSA(B), 2NX, 2NS(B), 3NS(B), 5NS(B) ・ HPK-5, 10, 20, 30, 40      ・ VPS-5, 10, 20, 30, 50 〈AUTOMATIC PUMP〉 ・ WT-P400W 〈CENTRIFUGAL PUMP〉 ・ RVD-450EN, 700EN, 900EN, 1200DN, 1800D, 2500F, 3000GN, 300J, 450N, 850N ・ RVA-75EN, 80JN, 135EN, 140JN, 200EN, 200JN, 300EN, 280JN, 150MN, 200PN ・ RVS-150M, 250E, 250G      ・ RDY-80R, 150R ・ HK-80J, 120J, 180E, 220G, 300E, 400H, 160XD ・ HLY-5L, 15F, 15M, 35F, 25M, 55M, 90E, 5LN, 25MN, 55MN ・ WYU-2Y, 12XF, 12XF-1      ・ WYH-2Y, 12XF, 12XF-1      ・ WY-5XHA, 20XD ・ PLY-6H, PSY-10J, PSY-30H      ・ PK-30E, 60G, 130D, 150E, 300E ・ SMK-150HA, 250HA, 300HA      ・ STK-150NA, 250NA, 300NA ・ SMY-150NA,250NA      ・ HD-350E, HD-700E, HD-800H ・ HYA-50XT      ・ WYT-2XT      ・ HC-5D, 10F, 30F ・ VC-10F, 30F, 55D, 70G      ・ CY-5GN, 5GNA, 12GN, 12GNA, 20L, 50L 〈GEAR PUMP〉
32	6-Nov-17	HSN-Kikai Kogyo Co., Ltd.	Auxiliary equipment (pumps, etc.)	

## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
32	6-Nov-17	HSN-Kikai Kogyo Co., Ltd.	Auxiliary equipment (pumps, etc.)	・ MGB-05KB, 1PB, 1PBS, 2PB, 2PBS, 3PB, 3PBS, 4PB, 4PBS, 5PB, 5PBS, 6PB, 6PBS, 7.5PB, 7.5PBS, 10PB, 10PBS, 12PB, 12PBS, 15PB, 15PBS
				・ MGA30-1WL, 2WL, 3WL
				・ M-1B, 1BL, 2B, 2BL, 3B, 3BL, 4B, 4BL, 5B, 5BL, 6B, 6BL, 7.5B, 7.5BL, 10B, 12BL, 15B, 15BL, 20B, 20BL, 25B, 25BL, 30B, 30BL, 40B, 40BL, 50B, 50BL, 65B,
				・ MA-1B, 1BL, 1BLS, 2BN, 2BNL, 2BNLS, 3BN, 3BNL, 3BNLS, 4BN, 4BNL, 4BNLS, 5BN, 5BNL, 5BNLS, 6BN, 6BNL, 6BNLS, 8BN, 8BNL, 8BNLS, 15B, 15BL, 15BLS
				・ TG50-501, 501T, 501L, 501TL, 502, 502T, 502L, 502TL, 503, 503T, 503L, 503TL, 601, 601T, 601L, 601TL, 602, 602T, 602L, 602TL
				・ TG80-801, 801T, 801L, 801TL, 802, 802T, 802L, 802TL
				・ MV-25B, 25BL, 40B, 40BL, 60B, 60BL, 75B, 100C, 125C,
				・ MVA-50B    ・ MVB-100KC
				〈AUTOMATIC UNLOADING SYSTEM〉    ・ AUS
				〈BOILER WATER CIRCULATING PUMP〉    ・ BT
				〈LARGE SIZE PUMP〉    ・ CVF, CVN, GVD, RVD, GVN, GVG
〈STEAM TURBINE FOR BOILER FEED WATER PUMP〉    ・ DE				
〈BOILER FEED WATER PUMP〉    ・ DMG				
〈CONDENSATE PUMP〉    ・ EVZ, RVZ, RVE				
〈FIRE PUMP〉    ・ GVP, RVP, GVX, RVX, FHP				
〈SMALL SIZE PUMP〉    ・ HJ, VJ, GJ, GHJ, SHJ, AHJ				
〈STEAM DRIVEN RECIPROCATING PUMP & CONTROL UNIT〉    ・ KPH, KSC, KSD				
〈PUMP ROOM CENTRIFUGAL PUMP〉    ・ KV, KVL, KVD, KH, KHD, CV, CVL, CVD,				
〈GENERATOR STEAM TURBINE〉    ・ RG				
〈STEAM TURBINE FOR PUMP DRIVEN〉    ・ RX, RVR				
〈LUBRICATING OIL PUMP〉    ・ SA, SAC, SAD, SAE, SAF, SAG				
〈TANK MOUTING PUMP〉    ・ SB				
〈SUBMARGED MOTOR PUMP〉    ・ SM, SMB, SMR				
〈LPG CARGO PUMP〉    ・ ST, STN				
〈GENERAL CENTRIFUGAL PUMP〉    ・ SVA, SVS, SVB, SVP, GVC				
〈BOILER FEED WATER PUMP〉    ・ SVQ, SHQ, SK, GHQ, DK				
〈HYDROPHORE UNIT〉    ・ UH				
〈VACUUM PUMP UNIT〉    ・ UV, UVP, UVE, UVT				
〈MOTOR DRIVEN PISTON PUMP & PLUNGER PUMP〉    ・ VPS, HPL, HLS, HLX				
34	7-Nov-17	The Hanshin Diesel Works	Diesel engine	・ LA26    ・ S35ME-B9.5

## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
35	13-Nov-17	Naniwa Pump Mfg. Co., Ltd.	Auxiliary equipment (pump)	<VERTICAL CENTRIFUGAL PUMP>
				・ FEV, FFV, FGV, FB2V, FE2V, FBV, FBSV, FBSVL, FEVW, FBW, FBWV, FBWHV, FEDV,
				<HORIZONTAL CENTRIFUGAL PUMP>
				・ BH, BHR, SH, SHR, SGH, CR, CRD, BT, BTR, EB2HU, EB2H, EB4H, BHD, BHNS,
				<GEAR PUMP> ・ ALG, ALG-MG, ALGG, ALGV, ALGT, AHG, AHGT, AHGP, BHG,
				<PISTON PUMP> ・ HP
				<SCREW PUMP> ・ ANH, ALS, ALSV
				<VACUUM PUMP> ・ NE, NE2S, VK, VN
				<HYDROPHORE TANK> ・ UH
				<HEELING PUMP> ・ LR2V
36	16-Nov-17	Ishii Machinery Works Co., Ltd.	Auxiliary equipment (pump)	<FRESH WATER PUMP> ・ 50-PCSL, 100-PCSL
				<COOL.F.W.PUMP> ・ 100-CSB, 150-CSB, 200-CSB, 250-CSB, 150-CDB, 300-
				<FIRE & G.S.PUMP> ・ 150-2CMA, 200-2CMA, 250-2CMA
				<BOILER FEED WATER PUMP> ・ 50-2PCSL2, 50-PCSL-6, 50-2CMH, 50-4CMH,
				<BOILER WATER CIRC.PUMP> ・ 50-PBCSH
				<LUB.OIL PUMP> ・ 200-CSS, 200-2CSS, 250-CSS, 300-CSS
				<CONDENSATE WATER PUMP> ・ 50-CSLF, 100-CSLF
				<HYDROPHORE TANK UNIT> ・ UH-0.5, UH-0.7, UH-1.0, UH-1.5, UH-2.0
37	12-Jan-18	Teikoku Machinery Works, Ltd.	Auxiliary equipment (pump)	<VERTICAL SINGLE SUCTION CENTRIFUGAL PUMP>
				・ 100, 150, 200TVS-Am-NV, 100, 150, 200TVS-Bm-NV
				・ 100, 150, 200TVS-A1m-NV, 100, 150, 200TVS-B1m-NV
				・ 100, 150, 200TVS-A, 100, 150, 200TVS-B
				・ 100, 150, 200TVS-A1, 100, 150, 200TVS-B1
				・ 100, 150, 200TVS-Am-AE, 100, 150, 200TVS-Bm-AE
				・ 100, 150, 200TVS-A1m-AE, 100, 150, 200TVS-B1m-AE
				・ 100, 150, 200TVS-A-NV, 100, 150, 200TVS-B-NV
				・ 100, 150, 200TVS-A1-NV, 100,150,200TVS-B1-NV
				・ 100, 150, 200TVS-A-AE, 100, 150, 200TVS-B-AE
				・ 100, 150, 200TVS-A1-AE, 100, 150, 200TVS-B1-AE
				・ 100, 150, 200TVS-Am, 100, 150, 200TVS-Bm
				・ 100, 150, 200TVS-A1m, 100, 150, 200TVS-B1m
				・ 100X50, 125X65, 200X100, 250X125VCSE-A, 100X50, 125X65VCSE-B
				・ 100X50, 125X65, 200X100, 250X125VCSE-Am, 100X50, 125X65VCSE-Bm
・ 100SXUm-NV, 125VSRm-NV, 100SXUm, 125VSRm				

## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
37	12-Jan-18	Teikoku Machinery Works, Ltd.	Auxiliary equipment (pump)	(VERTICAL DOUBLE SUCTION CENTRIFUGAL PUMP) ・ 250, 300, 350, 400, 450, 500TVD-Am-NV ・ 250, 300, 350, 400, 450, 500TVD-A1m-NV ・ 250, 300TVD-Fm-NV, 250, 300TVD-F1m-NV ・ 250, 300, 350, 400, 450, 500TVD-A ・ 250, 300, 350, 400, 450, 500TVD-A1 ・ 250, 300TVD-F, 250, 300TVD-F1 ・ 250, 300, 350, 400, 450, 500TVD-A-NV ・ 250, 300, 350, 400, 450, 500TVD-A1-NV ・ 250, 300TVD-F-NV, 250, 300TVD-F1-NV ・ 250, 300, 350, 400, 450, 500TVD-Am ・ 250, 300, 350, 400, 450, 500TVD-A1m ・ 250, 300TVD-Fm, 250, 300TVD-F1m ・ 250, 300, 350, 400, 450, 500TVD-A-AE ・ 250, 300, 350, 400, 450, 500TVD-A1-AE ・ 250, 300TVD-F-AE, 250, 300TVD-F1-AE ・ 250, 400, 450, 500, 550, 600X500VCD-A, 250, 400, 450, 550VCD-A2 ・ 250, 300, 350VCD-Bm-NV, 300, 350VCD-B2m-NV, 250VCD-BLm-NV ・ 250, 400, 450, 500, 550, 600X500VCD-A-AE, 250, 400, 450, 550VCD-A2-AE ・ 250, 300, 350VCD-B-AE, 300, 350VCD-B2-AE, 250VCD-BL-AE ・ 250, 400, 450, 500, 550, 600X500VCD-Am-AE, 250, 400, 450, 550VCD-A2m-AE ・ 250, 400, 450, 500, 550, 600X500VCD-Am, 250, 400, 450, 550VCD-A2m ・ 250, 300, 350VCD-B-NV, 300, 350VCD-B2-NV, 250VCD-BL-NV ・ 250, 300, 350VCD-Bm, 300, 350VCD-B2m, 250VCD-BLm ・ 250, 400, 450, 500, 550, 600X500VCD-A-NV, 250, 400, 450, 550VCD-A2-NV ・ 250, 300, 350VCD-Bm-AE, 300, 350VCD-B2m-AE, 250VCD-BLm-AE ・ 250, 400, 450, 500, 550, 600X500VCD-Am-NV, 250, 400, 450, 550VCD-A2m-NV ・ 250, 300, 350VCD-B, 300, 350VCD-B2, 250VCD-BL
				(VERTICAL SUCTION CENTRIFUGAL PUMP TANKMOUNT TYPE) ・ 150, 200, 250, 300, 350, 400TVC-A, 200, 250, 300, 350, 400-2TVC-A (HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMP) ・ 100, 125-2SLm(Water cooling type), 100, 125-2SL(Water cooling type) ・ 100, 125-2SLm(Air cooling type), 100, 125-2SL(Air cooling type) ・ 100, 125-4SLm(Water cooling type), 100, 125-4SL(Water cooling type)



## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
37	12-Jan-18	Teikoku Machinery Works, Ltd.	Auxiliary equipment (pump)	• 100, 125-4SLm(Air cooling type), 100, 125-4SL(Air cooling type)
				• 50-2SLm, 50-2SL, 50-4SLm, 50-4SL
				〈CENTRIFUGAL PUMP〉
				• 50MSS-BH1m-NV, BV1m-NV, Bm-NV, 100MSS-BH1m-NV, BV1m-NV
				• 50MSS-AH1m, AV1m, 50MSS-JH1m, JV1m
				• 50MSS-AH1m-AE, AV1m-AE, 50MSS-JH1m-AE, JV1m-AE
				• 50MSS-AH1, AV1, 50MSS-JH1, JV1
				• 50MSS-AH1-NV, AV1-NV, 50MSS-JH1-NV, JV1-NV
				• 50MSS-BH1m, BV1m, Bm, 100MSS-BH1m, BV1m
				• 50MSS-AH1-AE, AV1-AE, 50MSS-JH1-AE, JV1-AE
				• 50MSS-BH1m-AE, BV1m-AE, Bm-AE, 100MSS-BH1m-AE, BV1m-AE
				〈HORIZONTAL CENTRIFUGAL PUMP〉
				• 50MSE-Am, 100MSE-Dm, 50MSE-A, 100MSE-D
				• 50, 65BF-AWm, 50, 65BF-AAm, 100BF-CWm, 100BF-CAm
				• 50, 65BF-AW, 50, 65BF-AA, 100BF-CW, 100BF-CA
				• 50, 65BFT-AW, 100BFT-C
37	12-Jan-18	Teikoku Machinery Works, Ltd.	Auxiliary equipment (pump)	〈VERTICAL TWO-STAGE CENTRIFUGAL PUMP〉
				• 125, 150, 200, 250, 300-2VSR-Bm
				• 125, 150, 200, 250, 300-2VSR-A-NV, 150, 200-2VSR-A2-NV
				• 125, 150, 200, 250, 300-2VSR-Bm-NV
				• 125, 150, 200, 250, 300-2VSR-Am-NV, 150, 200-2VSR-A2m-NV
				• 125, 150, 200, 250, 300-2VSR-Bm-AE
				• 125, 150, 200, 250, 300-2VSR-Am-AE, 150, 200-2VSR-A2m-AE
				• 125, 150, 200, 250, 300-2VSR-B
				• 125, 150, 200, 250, 300-2VSR-A-AE, 150, 200-2VSR-A2-AE
				• 125, 150, 200, 250, 300-2VSR-A, 150, 200-2VSR-A2
				• 125, 150, 200, 250, 300-2VSR-B-AE
				• 125, 150, 200, 250, 300-2VSR-Am, 150, 200-2VSR-A2m
				• 125, 150, 200, 250, 300-2VSR-B-NV
				〈VERTICAL TWO-STAGE CENTRIFUGAL PUMP〉
				• 100X50, 125X65, 200X100-2VCSE-Am
				• 100X50, 125X65, 200X100-2VCSE-A
〈VERTICAL TWO-STAGE CENTRIFUGAL PUMP〉				
• 200X100, 250X125, 300X150-2VCDS-A				

## Issuance list of Asbestos non-use seal by JSMEA

No.	Issue date	Member name	Product name	Model
				<ul style="list-style-type: none"> <li>・ 200X100, 250X125, 300X150-2VCDS-Am</li> <li>〈HORIZONTAL TWO-STAGE CENTRIFUGAL PUMP〉</li> <li>・ 50, 65-2MSH-Am, 50, 65-2MSH-A</li> </ul>
38	12-Jul-18	Japan Engine Corporation (Ex. Name: Kobe Diesel Co., Ltd.)	Diesel engine	<ul style="list-style-type: none"> <li>・ UEC60LSE-Eco-A2, ・ UEC50LSE-Eco-B1, ・ UEC45LSE-Eco-B2, ・ UEC45LSE-</li> <li>・ UEC45LSE-Eco-1, ・ UEC60LSE-Eco-B1, ・ UEC45LSE-C1</li> </ul>
39	19-Jul-18	Volcano Co., Ltd.	Boiler burner	<ul style="list-style-type: none"> <li>・ MJII -90/ 140/ 180/ 250,</li> <li>・ MJII -90M/ 140M/ 180M/ 250M,</li> <li>・ SFDN, SFC, SFVF, SFDT-U, SFFG</li> </ul>