

Marcon International, Inc.

NEWSLETTER

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SPRING 2001

\$20.00 U.S., Canada & Mexico: One Year
\$25.00 Other Countries: One Year

Towing Industry – A Broker's View

While more has been written on supply boats than tugs, the towing industry has always provided our "bread and butter". Since 1990, Marcon has sold an average of 23,779BHP in tugs per year with 13,460BHP sold first quarter 2001.

Before the mid-80's supply boat owners regularly sold as boats reached 15 – 20 years of age. Tug owners held on longer, but still regularly replaced with newer vessels. This created a steady recycling of the fleet until the mid-80's when good twin screw tugs were having difficulty selling at 35 cents on the dollar. New construction in the U.S., virtually ceased, dropping from 71 in 1981 to 7 in '84. Building of anchor handling tugs worldwide dropped from 11 in 1981 to 2 in 1985. I have not seen records for other tug types on the international market, but assume that numbers are similar. This lack of new tugs from mid-80's to early 90's left a "gap", with no inventory to replace boats lost through normal attrition or support industry growth. The existing tug pool had to take up the slack. Operators competed for existing tonnage, on an individual basis and by mergers or acquisitions. This scarcity of good second-hand tugs caused U.S. prices to climb to record levels. Some single screw, ex-U.S. Navy and Coast Guard hulls were even rebuilt and twin-screwed or converted to combi-tugs, at high cost.

Prices for available second-hand tugs seem to have peaked. Over the last 4 months average prices officially quoted for tugs worldwide listed by Marcon fell about 5% for tugs under 2,000HP and about 17% for those in the 2 – 8,000HP range. New construction is starting to fill the "gap" – especially in the ship-docking arena overseas with a considerable number of new azimuthing or tractor tugs recently built or on order. New construction is also building up the ranks of escort tugs and ETV's. There are still good tugs out there for sale – especially foreign. Owners of excellent, well-maintained, foreign boats are lowering prices – not because the boats are "unwanted left-overs", but in-line with a stabilizing industry. In the U.S., though the main reason for the price drop is that the market has been picked over.

It is still easier to purchase an entire company than to buy a couple of good second-hand boats. Global consolidations continue. Adsteam Marine is purchasing the Australian and U.K. harbor towage/marine assets of Howard Smith Ltd. after buying 50% each of Northland Services of Seattle and New Zealand based Sea-Tow Ltd. last year. Reportedly Northland/Adsteam is also picking up Brice Construction of Alaska and we would not be surprised to see a move into Europe within the next 6 - 9 months. Cory Towage picked up Eastern Canada Towing of

Halifax and in turn was snapped up by Wijismuller.

Smit has also been active acquiring Sleepdienst Jan Kooren BV in the Netherlands; Rivtow Straits of Vancouver, BC; and Pentow Marine with their celebrated 19,200HP salvage tugs "Wolraad Woltemade" and "John Ross" to name a few.

High horsepower ocean/salvage tugs which went through lean times in the 90's are seeing action with a juggling of players and some newbuildings. ITC picked up the 8,000HP "Hyundai T. No. 1002" renamed "Sandy Cape" and 9,000HP "Hyundai T. No. 1001" renamed "Sable Cape" which marketing for ocean tows to supplement the 8,440BHP "S-Wind" class. Fairmount Marine is marketing Guangzhou Salvage tugs worldwide. China Ocean Engineering bought the 9,200HP "SmitWijis New Yorker", which renamed "Hua An" is open in the U.S. Gulf for employment. In addition to the ex-Russian Navy tug "Fotiy Krylov", Tsavlis Group took over the 24,138BHP "Nikolay Chiker", giving them control of the two largest salvage tugs in the world at 40,000IHP each. This market has also seen newbuildings. In 1998, Nippon Salvage built the 10,000BHP "Koyo Maru" at Mitsubishi at a reported cost of \$17 million and Yantai Salvage took delivery of the 14,366HP anchor handling salvage tug "De Xiang" from Donghai Shipyard. Two other notable newbuildings have been Klyne Tug's signing a contract with Yantai Raffles in China to build a UT 719-2 design with 180 tons bollard pull, following building the 11,400BHP "Anglian Monarch" in '99 by Matsuura Tekko Zosen and purchase of the 11,280HP "Anglian Prince" ex-Hispania, ex-Salvageman in '96. The traditional idea of tugs standing by salvage station was revitalized in the 90's and expanded into escort and emergency towing service in areas such as the English Channel and Valdez, Alaska. Crowley built three azimuthing and two voith schneider 10,192BHP prevention & response tugs for use in Alaska following Foss Maritime's two 7,600BHP, 155' tractor tugs built in '93/4 for BP/Arco contracts. The newbuildings worldwide for escort/terminal service is too extensive to list.

The ocean/coastwise towing market is one sector where we have not seen much new construction. Companies chasing voyage charters are finding fierce competition for large and small jobs worldwide driving down prices and rates. Most owners, especially in the U.S. are refurbishing vs. building. Crowley launched a major refurbishment of 25 sea-going, 7,200BHP "Invader" Class tugs to extend lives 15 years. Some smaller owners also going through life-extension programs at high cost, but many have found it difficult to recoup the in-

(Continued on page 11)

Vessels for Sale and Charter Tug Boats

File	Dimensions	Machinery	HP	Built	Price	
+ TG01017	16x-x-	1xGM4-53	100	-	7,750	
+ TG01802	22x9x-	1xGM6-71	165	-	36,500	
> TG02043	41x12x5	1xCAT3306	190	77	52,000	
+ TG02051	50x14x-	1xBuda	200	35	Request	
TG03350	50x16x7	2xGM6-71	330	76	Request	
+ TG03357	57x14x6	2xGM6-71	330	51	79,000	
TG03360	60x22x8	1xGM12V71	340	80	Request	
+ TG03640	40x16x7	1xCummins	365 K	81	225,000	
TG03642	42x13x8	2xGM6-71	330	57	79,000	
> TG03645	46x14x6	1xGM12V71	365	78	Request	
> TG04038	36x11x4	1xGM8V71	230	52	Request	
TG04465	65x25x8	2xGM8V71	460	81	395,000	
> TG04850	50x17x6	2xGM8V71	460	65	Request	
TG05006	49x17x7	2xGM8V71	460	71	250,000	
+ TG05007	50x15x6	1xCATD379	500	50	52500	
> TG05050	50x16x-	2xCAT3412	504	82	Offer	
+ TG05065	65x17x6	1GM16V71	455	50	100,000	
+ TG06065	65x17x6	1xCATD379	565	41	85,000	
+ TG06066	65x18x7	1xCATD398	600	45	50,000	
> TG06083	80x20x10	1xGM12V149	940	45	Request	
> TG06578	78x19x-	1xBolnes	650	60	Request	
> TG06663	63x18x-	1xB&W	660	55	90,000	
> TG06857	58x19x-	2xGM12V71	680	72	260,000	
TG06865	65x22x-	2xGM12V71	680	65	475,000	
> TG07039	39x13x7	1xMercedes	750	91	Request	
> TG07060	60x15x9	1xCAT	680	60	Request	
★ TG07082	82x23x9	1xE'prise	700	-	52,500	
> TG07086	86x20x-	2xGM12V71	680	-	Request	
> TG08014	61x17x7	2xGM12V71	680	92R	Request	
> TG08016	61x17x8	2xGM12V71	680	91R	Request	
★ TG08023	81x23x9	1xEMD8567	900	43	Request	
★ TG08065	65x23x9	2xCATD353	850	69	390,000	
> TG08077	77x23x12	2xCAT3408	800 K	88	265,000	
> TG08078	76x22x9	2xCAT3408	800 K	96	395,000	
> TG08654	54x17x8	2xCAT3408	866 K	88	Request	
+ TG09063	63x17x9	1xCATD398	850 K	41	150,000	
+ TG09071	64x19x10	1xCooper	900	57	105,000	
> TG09080	75x23x9	2xCAT3408	940 K	98	580,000	
> TG09084	84x21x9	1xStork	900	53	77,500	
> TG09101	101x28x6	2xGM16V71	926	56	130,000	
TG09159	59x20x7	2xGM16V71	910	58	Offer	
> TG10009	75x23x10	2xCAT3412	1000 K	91	340,000	
> TG10014	80x20x-	1x-	1000	-	180,000	
> TG10015	75x23x-	2xCAT3412	1000 K	91	340,000	
+ TG10016	94x25x12	1xE'prise	1000	42	175,000	
+	TG10024	100x24x12	2xGM12278	1000	43	132,500
>	TG10064	64x20x	2xCAT	1000 K	97	Charter
>	TG10067	65x18x-	2xGM12V71T	1000	-	370,000
>	TG10072	70x24x12	2xCAT3412	1000	82	Request
+	TG10073	73x21x12	1xCummins	1050	52	Request
★	TG10077	68x22x-	2xCummins	1050	98R	660,000
>	TG10080	80x20x10	1xCATD398	765	53	240,000
>	TG10089	90x26x12	1xMWM	1000 K	65	160,000
>	TG10090	75x23x11	2xCAT3412	1000	91	Request
>	TG10093	92x26x-	1xMAN	1000 K	59	250,000
>	TG10099	100x25x14	1xDeutz	1000 K	60	Request
>	TG10105	104x28x14	1xSulzer	1000	44	210,000
>	TG10690	91x23x12	1xDeutz	1060 K	61	147,500
>	TG11005	64x21x-	1xCAT	1075	63	225,000
>	TG11013	85x22x11	1xCATD399	1125 K	56	210,000
>	TG11077	78x24x11	2xDeutz	1128	77	Request
>	TG11080	80x20x7	1xGM16V149	900	44	350,000
>	TG11081	85x22x11	1xCATD399	1125	95R	Request
>	TG11082	82x24x11	2xYanmar	1100	83	Request
>	TG11084	84x-x-	1xB&W	1160	51	175,000
>	TG11088	77x25x10	2xYanmar	1100	96	Request
>	TG11106	106x28x15	1xEng. Elec.	1130	67	Request
+	TG12000	85x21x10	1xCATD398	1125	42	Request
★	TG12002	101x24x12	2xE'prise	1200	39	70,000
+	TG12003	97x25x14	1xEMD12567	1200	52	85,000
★	TG12009	95x25x13	1xEMD12567	1200	39	54,000
★	TG12060	60x24x10	2xGM16V92	1200	91	1,400,000
>	TG12066	65x23x-	2xGM8V149	1200	85	600,000
>	TG12076	86x25x12	1xMWM	1250 K	70	Request
>	TG12084	80x23x-	2xBolnes	1200	58	58,500
+	TG12085	86x22x9	2xCummins	1550	61	Charter
+	TG12115	107x27x14	1xFairbanks	1200	54	60,000
+	TG12117	107x27x14	1xCooper	1200	54	60,000
>	TG12125	85x25x12	2xCummins	1200 K	01	500,000
>	TG12135	150x33x16	2xRusky	1200	60	Request
>	TG12889	89x26x13	2xSulzer	1200	76	110,000
>	TG13024	85x24x11	2xVoith Schn.	1020	67	420,000
+	TG13069	73x24x10	2xGM16V92	1200 K	79	Request
>	TG13071	71x22x-	1xWichmann	1320	17	Request
>	TG13093	93x24x13	2xSACM	1350	73	Request
>	TG13098	95x25x-	2xLister	1320	60	Request
★	TG14001	70x24x10	2xGM12V149	1350	74	525,000
TG14081	72x25x10	2xGM12V149	1400	00R	1,000,000	
>	TG14083	84x23x11	1xDeutz	1360	62	325,000
>	TG14088	89x24x12	2xStork	1320	71	Request
TG14103	103x25x15	2xGM12278	1200	43	155,000	
+	TG15002	87x24x13	1xEMD12645	1500 K	43	350,000
+	TG15087	87x24x12	1xEMD12645	1500 K	84R	132,000
>	TG15094	93x28x13	1xRuston	1500	-	Request
>	TG15098	96x26x13	2xCAT398	1530	90R	475,000
>	TG15102	98x27x13	1xFairbanks	1500 K	62	267,500
>	TG15105	95x24x-	1xCrepelle	1500	74	Request

Details believed correct, not guaranteed. Offered subject to prior sale or

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Tug Boats Continued

File	Dimensions	Machinery	HP	Built	Price
> TG15106	101x29x15	1xNohab	1660 K	77	Request
> TG15107	100x26x-	1xRuston	1465 K	65	160,000
> TG15108	92x23x10	1xDeutz	1500 K	-	290,000
> TG15112	111x28x7	2xCAT	1530	46	187,500
> TG15191	99x27x-	1xNiigata	1500 K	77	Request
> TG16001	89x26x-	1xBlackstone	1600	64	Request
> TG16104	100x30x11	1xDeutz	1578 K	64	Request
TG16107	104x31x-	1xMAK	1600	18	Request
> TG16108	101x29x16	1xNohab	1660 K	77	Request
> TG16113	112x25x16	1xEMD16645	1680	41	Request
> TG17118	128x22x151	1xEMD16567	1750 K	76R	510,000
> TG18008	95x24x11	2xGM16V149	1800	65	300,000
> TG18018	108x30x-	2xDeutz	1800	68	Request
> TG18065	85x28x11	2xGM16V149	1860 K	82	Request
★ TG18094	89x25x12	1xEMD16567	1800	56	265,000
TG18095	85X26X13	2x16V149	1800 K	81	Request
> TG18104	98x28x11	2xSulzer	1844	75	Request
> TG18110	85x30x13	2xSACM	1840 Z	83	Request
> TG18165	165x36x1	1xFairbanks	1875	35	27,000
> TG19085	85x20x-	2xGM12V149	1880	-	800,000
> TG19098	98x30x12	2xCAT3508	1920 K	98	Request
+ TG19151	151x33	1xFairbanks	1920	57	230,000
+ TG20005	118x27x15	1xEMD16567	2000	63	Charter
> TG20090	90x25x11	1xB&W	2000	75	Request
> TG20099	87x31x18	2xMitsui	2000	97	Request
★ TG20101	125x28x17	1xE'prise	2000	57	Request
> TG20102	102x29x-	1xDeutz	2300 K	71	Charter
> TG20111	101x29x15	1xDeutz	2000 K	67	Request
> TG20112	107x30x13	2xRuston	2024	66	Request
> TG20113	101x29x15	1xDeutz	2000 K	67	Request
> TG20122	122x29x15	2xDeutz	2200 K	69	Request
> TG21069	70x25x-	2xCAT3508	2100 K	99	Request
> TG22003	94x29x-	2xCATD399	2250 K	80	Request
TG22004	105x30x15	2xCATD399	2250	76	2,075,000
> TG22028	95x29x14	2xCATD3512	2200 K	75	Request
+ TG22075	75x26x14	2xGM12V149	2200	78	950,000
> TG22096	94x30x14	2xCATD399	2250 K	81	Request
> TG22099	99x22x13	2xOtsuka	2200	73	Request
> TG22112	110x32x16	2xCATD399	2250	70	400,000
> TG22119	110x30x16	1xCrepelle	2200 K	75	Request
★ TG22121	121x32x17	1xEMD16645	2200	65	Offer
★ TG22122	110x32x16	1xEMD16645	2200	65	Request
★ TG22123	122x32x17	1xEMD16645	2200	65	Request
> TG22511	100x26x15	1xMWM	2250 K	74	Request
> TG22585	85x25x12	2xCATD399	2250 K	96	980,000
TG23090	90x27x13	2xGM16V149	1800 K	81	Request
> TG23096	95x29x15	2xCrepelle	2360	81	Request
> TG23105	96x30x14	2xDeutz	2320	75	525,000
> TG23126	126x26x20	1xDeutz	2375 K	83R	Request

File	Dimensions	Machinery	HP	Built	Price
> TG24097	95x29x14	2xYanmar	2400 K	99	Request
> TG24120	105x31x15	2xYanmar	2400	94	Request
> TG24121	102x27x12	2xNiigata	2400	95	Request
TG24126	103x25x11	1xNohab	2400	57	Request
> TG24128	105x28x12	2xE'prise	2400	65	525,000
> TG25087	87x26x13	2xMWM	2900 K	82	Request
> TG25095	94x28x-	2xMAK	2500	73	900,000
> TG25102	102x30x14	1xDeutz	2000 K	72	Request
> TG25111	101x28x11	2xCAT3512	2560	95	750,000
> TG25118	117x26x8	4xGM16V71	2100 K	-	585,000
> TG25124	125x30x-	2xNiigata	2500 K	76	Request
★ TG25600	95x28x13	2xGM16V149	2560 K	75	1,360,000
> TG26008	117x30x15	2xYanmar	2600 K	77	Request
> TG26108	106x31x14	2xDaihatsu	2600 Z	82	Request
+ TG26109	107x26x-	2xGM16V149	2560	54	Charter
> TG26492	93x29x-	2xRuston	2640 K	81	Request
> TG28098	97x26x15	1xEMD16645	2800	80	Request
> TG28102	105x31x-	1xMWM	2800 K	80	Request
> TG28108	95x29x14	2xYanmar	2800	-	Request
> TG28129	128x33x16	2xRuston	2800	67	650,000
> TG28210	109x32x-	2xRuston	2820 K	80	Request
> TG29123	122x32x17	1xEMD16645	2500	66	Charter
> TG30082	82x28x15	2CAT3512	3300 K	New	Quote
> TG30083	82x28x13	2xCAT3512	3000 K	New	Quote
> TG30099	99x30x12	2xDaihatsu	3000	84	Request
> TG30102	105x29x12	2xEMD12657	2800	75	1,825,000
> TG30115	112x29x15	1xDeutz	3000 K	74	Request
> TG30121	191x42x19	2xRussky	3000	77	475,000
> TG30124	109x29x12	2xNiigata	3000	87	Request
+ TG30128	102x27x15	2xEMD12645	3000	-	Request
TG30138	121x28x-	1xAlco	3000	95R	300,000
> TG30141	124x32x16	2xMAN	3000	97R	715,000
> TG30148	104x32x14	2xCummins	3200 K	New	Request
> TG30152	109x29x12	2xNiigata	3000 Z	90	Request
★ TG30154	120x30x-	2xCAT3516	3000	68	Request
> TG30156	112x31x13	2xEMD12645	3000	71	790,000
> TG30159	157x35x16	2xYanmar	3000 K	90	Charter
> TG30161	125x30x-	1xRuston	3000	-	Request
> TG30195	192x41x-	2xKolomna	3200 K	83	Charter
> TG32010	103x28x-	2xFuji	3200 K	73	Offer
> TG32012	110x31x14	2xNiigata	3200	75	Request
> TG32100	119x32x14	2xNiigata	3200 Z	94	1,900,000
> TG32104	104x32x14	2xCummins	3200 K	00	2,400,000
> TG32114	119x32x14	2xNiigata	3200	73	Request
> TG33001	120x32x-	2xRuston	3380 K	69	Request
> TG33082	82x29x15	2xCAT3512	3300	01	Request
> TG33089	88x30x13	2xDeutz	3358 Z	90	Request
> TG33107	105x34x16	2xCAT3516	3300 Z	00	3,300,000
> TG33130	130x31x-	2xFuji	3300	76	Request
> TG34112	110x32x14	2xNiigata	3400	81	Request
> TG34128	127x29x15	1xRuston	3400 K	71	Offer
> TG34129	127x29x15	1xRuston	3400 K	71	Offer

Tug Boats Continued

File	Dimensions	Machinery	HP	Built	Price
> TG35002	117x34x16	2xRuston	3500 K	79	Charter
> TG36106	98x31x16	2xYanmar	3600 Z	99	Offer
+ TG36122	123x30x18	1xEMD20645	3600	95R	Request
> TG37124	122x33x18	2xRuston	3800 K	78	Request
> TG38123	122x33x18	2xRuston	3800 K	78	Request
★ TG39006	120x33x-	2xEMD16645	3900 K	77	Charter
> TG39115	115x33x15	2xWichmann	3600 K	77	Request
> TG39119	107x32x-	1xPielstick	3900	74	1,300,000
★ TG39127	128X30X1	2xEMD16645	3900 K	98R	Request
TG39143	143x33x16	2xEMD16567	3280	64R	1,500,000
★ TG40086	90x41x16	3xCummins	4350 K	98	Request
TG40110	110x32x18	2xStork	3500 K	75	3,100,000
> TG40113	101x37x17	2xCAT3516	4000 K	99	Request
> TG40114	116x33x14	2xWichmann	4000 K	77	1,000,000
> TG40126	121x35x16	2xYanmar	4000 K	96	3,500,000
> TG40136	136x36x17	2xAlco	4460 K	78	Request
> TG40137	101x33x15	2xWartsila	4000	93	3,600,000
> TG40152	147x41x17	2xCrepelle	3600	81	Request
> TG40361	123x36x-	2xVoith	4000	-	Request
> TG42101	105x34x17	2xCAT3516	4200 K	00	Request
> TG42105	105x34x17	2xCAT3516	4200 Z	00	Offer
> TG42119	112x33x15	2xNiigata	4200	72	Request
> TG42129	130x37x19	2xVoith	4200	79	Request
> TG43138	138x37x19	2xMAK	4300 K	73	Request
TG43412	100x31x-	2xWartsila	4344 Z	01	Request
> TG44000	105x34x18	2xCAT3516	4400 Z	01	Request
> TG44098	98x32x16	2xDeutz	4460	01	Request
★ TG44122	122x34x18	2xFairbanks	4400	00R	3,000,000
> TG44135	136x34x17	2xAlco	4460 K	78	Request
> TG45001	101x33x16	2xCAT3516	4500 Z	01	Request
> TG45115	115x28x12	2xNiigata	3600 K	-	650,000
> TG45178	178x40x21	2xMirrlees	4500	74	Request
+ TG45205	205x39x-	4xCATD399	4500	44	Offer
> TG46033	118x33x17	2xWartsila	4600 K	01	Request
> TG46118	119x37x19	2xRuston	4600 K	85	4,300,000
★ TG46128	128x33x14	2xFairbanks	4600	67	Request
★ TG48001	129x32x11	2xEMD16645	5750	67	Charter
> TG48113	113x34x19	2xAlco	4800	86	Request
> TG50106	107x36x-	2x	5050	00	Request
> TG50114	114x36x18	2xYanmar	5000 Z	01	500,000
> TG50131	131x33x17	2xAlpha	4960 K	75	Request
> TG50134	135x33x18	2xMAK	5000 K	78	Request
TG50143	143x34x18	2xFairbanks	4800	78R	Request
> TG50150	150x33x18	2xNordberg	5000	86R	Request
TG51090	90x41x16	3xCummins	5100 K	00	Request
> TG52120	121x31x14	2xYanmar	5200	83	Request
> TG52133	133x39x20	2xFuji	5200	77	Request
> TG56147	147x37x17	2xMWM	5600 K	74	Request
> TG56148	148x36x20	2xBergen	5600 K	73	Request

File	Dimensions	Machinery	HP	Built	Price
TG57007	145x35x17	2xEMD16645	5750	68	Request
> TG57181	181x77x30	2xEMD16645	5750 K	75	2,075,000
> TG58155	156x39x18	2xEMD16645	5750 K	77	Request
TG60110	110x41x16	3xWartsila	5100	89	Request
> TG66121	121x41x-	2CAT3608	6600 K	New	Quote
> TG69239	235x59x30	2xRussky	6900	83	Charter
TG70135	135x38x20	2xEMD20645	8000 K	00	Request
> TG70144	144x38x20	2xNohab	7072 K	75	1,565,000
> TG70147	147x39x20	2xMAK	7000 K	77	Request
> TG72009	154x40x18	2xB&W	7200 K	84	Charter
> TG73714	148x46x21	2xCAT3608	7370	95	Request
> TG75140	140x40x23	2xPolar	7500 K	77	Offer
TG80149	150x40x20	2xAlco	8000 K	88	Request
> TG80150	151x43x18	2xPielstick	8000 K	78	Request
> TG80152	146X35X16	2xMAK	8000 K	75	Request
> TG84000	155x41x20	2xMAK	8400 K	77	1,950,000
> TG90305	304x-x-	2xRussky	9000	77	Request
> TG93221	221x47x23	2xStork	9200 K	77	Charter
> TG99005	180x48x17	2xWartsila	9000	77	Request
> TG99006	180x48x77	2xFuji	8440	77	Charter
> TG99008	218x43x21	2xSACM	9600 K	78	Charter
> TG99282	282x48x24	2xNiigata	10800 K	76	Charter

Push Boats

File	Dimensions	Machinery	HP	Built	Price
TP02053	53x18x-	1xGM8V71	230	-	Request
> TP02072	72x25x10	2xNiigata	200	90	Offer
+ TP03011	44x14x-	2xGM6-71	330	83R	Offer
> TP03085	85x23x-	1x-	300	87	Request
+ TP03312	38x12x-	2xGM6-71	330	87	40,000
+ TP03341	40x16x-	2xGM6-71	330	-	38,500
TP03647	48x16x7	2xGM6-71	360	76	Request
+ TP03656	56x15x-	2xGM6-71	360	45	Request
+ TP04025	25x14x5	2xGM6-71	330	88	55,000
TP04040	40x16x6	2xGM6-71	330	-	Request
TP04048	48x16x6	1xGM12V71	340	-	Request
TP04650	50x19x-	2xGM871	460	-	95,000
TP04847	47x16x-	2CAT3306	485	88	200,000
TP05001	38x17x-	2xGM8V71	460	58	95,000
+ TP05026	50x17x6	2xGM8V71	460	70	205,000
+ TP05037	38x17x-	2xGM8V71	460	44	Request
TP05622	56x22x4	2xCATD343	760	66	105,000
TP06048	48x18x7	2xGM8V71	460	83	342,000
TP06445	46x18x8	2xGM8V92	600	74	Offer
+ TP06845	45x17x6	2xGM12V71	680	57	265,000
TP06850	51x18x-	2xGM12V71	680	63	Request
TP06856	56x24x7	2xGM12V71	680	69	395,000
TP07000	55x20x-	2xGM12V71	680	68	Request
TP07046	46x18x-	2xGM12V71	680	67	195,000

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File	Dimensions	Machinery	HP	Built	Price	File	Dimensions	Remarks	Built	Price
TP07058	50x15x-	2xJohn Deere	600	99	195,000	★ DB11038	110x34x9	Inland	-	80,000
TP07248	49x21x8	3xGM8V71	720	98R	Offer	+ DB11043	110x30x8	Inland	70	79,000
★ TP07610	100x24x5	2xCAT353	760	42	265,000	+ DB11044	110x30x7	Inland	43	132,000
+ TP08009	50x22x7	2xCAT3408	730	82	Offer	+ DB11055	110x32x-	Inland	-	105,000
TP08062	60x24x-	2xGM12V71	680	80	660,000	★ DB11058	110x34x11	Inland	-	65,000
TP08556	56x22x-	2xCAT353	850	-	Request	> DB11244	112x44x9	Inland Spud	-	Request
TP09080	80x35x7	1xEMD8645	900	75	157,500	> DB11245	112x45x8	Inland Spud	-	Request
TP09551	52x28x10	2xGM16V71	910	-	289,000	+ DB11477	114x78x-	Inland	-	85,000
TP10001	-x-x-	2xCummins	1000	53	Request	★ DB12001	120x38x11	Inland	59	105,000
TP12069	65x24x-	2xGM16V92	1200	80	Request	★ DB12020	120x40x11	Inland	62	126,000
TP16585	85x26x9	1xEMD	1650	51	150,000	★ DB12040	120x30x7	Inland	-	63,500
TP17001	74x38x7	2xCAT	1750	80	790,000	+ DB12051	120x38x10	Inland	70	21,000
TP18002	70x28x10	3xCummins	1800	00	Request	★ DB12053	120x38x11	Inland	60	120,000
TP18080	80x30x10	2xGM16V149	1800	71	790,000	★ DB12072	120x40x12	Inland	-	79,500
★ TP20143	143x29x9	2xEMD12567	2000	45	350,000	★ DB12081	120x40x11	Inland	62	123,000
TP37150	150x35x-	2xAlco	3720	49	265,000	★ DB12091	120x60x9	Inland Crane	45	105,000
★ TP39120	120x38x8	2xEMD16645	3900	60	1,150,000	+ DB12530	125x30x-	Coastal Spud	-	157,500
TP66000	190x48x10	4xAlco	6600	61	Request	+ DB12535	125x34x9	Inland	-	125,000

Deck Barges

File	Dimensions	Remarks	Built	Price	File	Dimensions	Remarks	Built	Price
+ DB02007	20x7x4	Sectional	-	7,500	★ DB13038	130x38x10	Inland	-	35,000
+ DB02014	20x10x7	Sectional	-	15,500	★ DB13041	130x38x11	Inland	-	21,500
★ DB02022	20x10x3	Inland	New	Quote	> DB13165	131x66x-	Inland	-	Request
+ DB04011	40x10x7	Sectional	-	24,700	★ DB13852	138x52x9	Inland	-	31,500
+ DB04012	40x10x6	Sectional	-	23,000	> DB15012	150x50x10	Ocean	93	Request
+ DB04014	40x10x5	Sectional	-	Request	+ DB15023	150x42x11	Coastal	64	315,000
DB04021	40x10x5	Sectional	-	Request	+ DB15043	150x42x14	ex-Ocean	68	250,000
DB04024	40x10x5	Sectional	-	13,200	+ DB15044	150x42x12	Inland	-	157,500
★ DB04055	40x12x5	Sectional	New	Quote	+ DB15051	150x48x10	Inland	67	Request
★ DB04528	45x28x4	Inland	-	21,500	+ DB15060	150x42x12	Inland	67	Request
+ DB05634	56x28x4	Inland	-	37,000	> DB15449	154x49x11	Ocean	74	Request
★ DB06030	60x30x7	Inland	-	31,500	> DB15939	160x40x9	Ocean	96	170,000
+ DB08134	81x34x9	Inland	-	31,500	+ DB16038	160x38x9	Inland	26	105,000
★ DB08536	85x36x8	Inland	66	85,000	> DB16041	151x40x11	Coastal	85	350,000
★ DB09027	90x27x9	Inland	52	87,500	+ DB16044	160x40x9	Inland	77	263,000
★ DB09030	90x30x9	Inland - (4)	-	47,500	> DB16350	165x44x11	Inland Chip - (2)	63	125,000
★ DB09032	90x30x9	Inland	54	79,000	DB17536	175x37x9	Inland	-	132,500
★ DB09037	90x30x9	Inland	-	52,500	> DB17644	175x44x13	Coastal	59	630,000
★ DB09038	90x38x9	Inland	-	95,000	+ DB17945	179x42x12	Inland	-	255,000
+ DB09041	90x40x8	Inland	95	285,000	> DB18007	180x50x10	Ocean	92	169,500
> DB09432	94x33x13	Inland	69	89,500	> DB18009	180x50x11	ex-Ocean	87	63,000
+ DB09632	96x32x8	Inland	-	52,500	> DB18031	180x56x12	Ocean - (2)	95	Request
+ DB10229	102x29x12	Inland	44	Request	> DB18032	180x50x10	Ocean	91	132,500
★ DB10300	105x34x9	Inland	-	47,500	> DB18033	180x50x10	Ocean - (2)	91	132,500
+ DB10440	104x40x5	Inland - (2)	-	Request	+ DB18041	180x54x12	Ocean	80	790,000
+ DB10447	104x47x8	Inland Work	60	240,000	+ DB18050	180x50x12	Inland	74	210,000
+ DB10501	104x29x8	Inland	44	37,500	+ DB18059	180x54x13	Ocean	81	840,000
★ DB11036	110x34x-	Inland	-	Request	> DB18067	180x50x10	Ocean - (4)	90	132,500
					> DB18070	180x50x10	Ocean	90	132,500
					> DB18071	180x57x13	Ocean	-	Request
					DB18076	180x54x12	Ocean	80	615,000
					DB18077	180x54x12	Ocean	80	615,000
					> DB18080	180x50x10	Ocean	97	240,000

Deck Barges Continued

File	Dimensions	Remarks	Built	Price
+ DB18142	181x42x11	Inland	68	225,000
+ DB19001	190x50x12	Inland House	72	Charter
+ DB19251	192x52x13	Ocean	-	840,000
+ DB19400	194x50x12	Inland House	69	Charter
DB19538	195x35x12	Ocean	New	Quote
> DB20051	200x50x-	Inland	-	105,000
> DB21061	210x60x12	Ocean	New	Quote
+ DB20066	200x52x15	Ocean	69	400,000
DB20554	206x54x18	Ocean	-	Request
> DB21349	213x49x11	Ocean	-	Request
> DB21450	214x49x11	Ocean	93	Request
> DB21480	215x80x26	Ocean	74	Request
★ DB21542	215x42x15	Inland	45	132,500
> DB22000	220x60x14	Ocean - (2)	97	300,000
DB22046	220x40x12	Inland	-	117,000
★ DB22049	220x49x12	Inland	-	236,500
DB22052	220x54x14	Ocean	92	Request
> DB22062	220x60x14	Ocean	96	290,000
DB22063	220x60x14	Ocean	98	Charter
> DB22067	220x60x14	Ocean	97	300,000
+ DB23005	230x55x15	Inland	68	Request
> DB23060	230x60x14	Ocean	New	Quote
> DB23076	230x72x17	Ocean	74	Charter
+ DB23650	236x50x14	Ocean Subm	66	800,000
★ DB24005	240x72x16	Ocean	77	1,050,000
> DB24010	240x80x16	Ocean	89	525,000
> DB24071	240x70x17	Ocean	81	Charter
> DB24180	241x80x16	Ocean	-	Charter
+ DB24261	242x60x16	Ocean - (2)	77	Request
+ DB24454	244x54x14	ex-Ocean	64	420,000
> DB24663	246x63x18	Ocean	78	630,000
+ DB24848	248x48x12	Inland	54	420,000
★ DB24976	249x75x16	Ocean	76	Request
+ DB25012	250x75x16	Ocean	76	Request
★ DB25018	250x72x16	Ex-Ocean	82	325,000
+ DB25028	250x72x15	Ocean	87	1,300,000
DB25031	250x72x15	Ex-Ocean	82	1,300,000
+ DB25048	250x48x15	Inland	45	175,000
+ DB25050	250x50x13	Inland	60	265,000
> DB25070	250x70x16	Ocean	New	Quote
DB25083	256x76x17	Ocean	76	Request
> DB25085	250x80x16	Ocean	98	780,000
> DB25098	250x80x16	Ocean - (2)	99	Request
> DB25550	256x51x14	Coastal	97	Request
★ DB26041	260x40x9	Inland Spud	55	300,000
DB26049	260x48x15	Inland	44	Request
★ DB26053	260x48x15	Inland House	-	265,000
+ DB26056	260x48x15	Ex-Ocean	44	Request
> DB26754	268x54x11	Ocean	94	Request

File	Dimensions	Remarks	Built	Price
+ DB26868	268x60x19	Ocean Freezer	69	1,350,000
> DB27070	270x70x16	Ocean	92	420,000
> DB27073	270x70x16	Ocean	New	Quote
> DB27077	270x70x14	Ocean Ramp	97	500,000
> DB27078	270x70x16	Ocean	94	Request
+ DB27368	236x68x18	Ocean	70	Charter
> DB27861	279x62x14	Ocean	87	1,800,000
> DB28080	280x80x18	Ocean	98	800,000
> DB28248	287x48x18	Inland	15	230,000
> DB28275	282x75x16	Ocean	98	650,000
+ DB28278	282x78x18	Ocean	78	Request
> DB28290	282x90x18	Ocean	94	1,100,000
+ DB28579	285x78x18	Ocean	New	Quote
> DB29050	290x50x12	Inland	-	Request
> DB29591	295x92x20	Ocean	76	Request
> DB30004	330x96x20	Ocean	New	Quote
> DB30009	300x90x20	Ocean	75	1,465,000
DB30013	300x90x19	Ocean	82	Request
> DB30015	300x90x20	Ocean - (2)	76	Request
> DB30024	300x90x20	Ocean	84	1,050,000
> DB30026	300x90x20	Ocean	78	1,150,000
> DB30034	300x90x20	Ocean	76	Request
+ DB30036	300x72x19	Ocean	76	Charter
> DB30070	300x70x18	Ocean	92	695,000
DB30076	300x76x18	Ocean	96	895,000
> DB30080	300x80x18	Ocean	New	Quote
> DB30090	300x90x18	Ocean	93	1,100,000
+ DB30091	300x90x18	Ocean	82	Charter
> DB30095	300x90x20	Ocean	84	Request
> DB30097	300x100x25	Ocean	84	Request
> DB30291	300x90x20	Ocean	77	1,225,000
+ DB30550	305x50x-	Inland	45	Offer
> DB31173	311x74x18	Ocean	New	Quote
> DB31265	312x66x18	Ocean	76	Request
> DB31581	315x62x17	Coastal	61	525,000
> DB32285	322x84x28	Ocean	55	800,000
> DB32883	328x82x24	Ocean	New	Quote
> DB32899	328x121x23	Ocean	75	Request
> DB33010	330x100x20	Ocean	95	Request
> DB33012	330x100x20	Ocean	00	Request
+ DB33078	330x78x20	Ocean	82	Request
> DB33082	330x80x18	Ocean - (2)	96	Request
> DB33097	330x96x20	Ocean	99	2,200,000
> DB35453	354x53x13	Propelled	82	Offer
DB35865	358x65x19	Inland	28	420,000
★ DB36640	366x40x11	Inland	-	157,500
> DB37598	375x98x20	Ocean	76	Request
> DB39301	394x131x25	Ocean	77	Request
> DB39302	394x131x25	Ocean	77	Request
> DB40007	400x120x25	Ocean	83	Offer
> DB40009	400x100x25	Ocean	78	Request
DB40012	400x100x25	ex-Ocean	76	Offer

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File	Dimensions	Remarks	Built	Price
DB40016	400x100x25	ex-Ocean	77	Offer
★ DB40017	400x100x25	Ocean	76	Offer
+ DB40104	400x100x20	ex-Ocean	70	Offer
DB40105	400x100x25	Ocean House	76	Request
> DB40199	402x100x25	Ocean	76	Request
★ DB40210	403x100x21	Ocean	98	Charter
> DB40590	405x90x20	Ocean	76	Request
★ DB41710	417x105x20	Ocean Ro/Ro	76	Offer
> DB41711	417x105x20	Ocean Ro/Ro	76	Offer
+ DB43857	437x56x28	Inland	-	Offer
> DB44210	443x102x26	Ocean	-	Charter
> DB45201	463x118x29	Ocean Submersible	95	Charter
> DB47201	472x118x30	Ocean Submersible	78	Charter
> DB57212	472x121x25	Ocean	New	Quote
> DB48500	482x105x28	Ocean	81	Request
DB56885	568x85x24	Ocean ITB	82	Charter

Derrick Barges

File	Dimensions	Remarks	Built	Price
★ DK09030	90x30x5		B.E. 30B	85
105,000				
DK09540	95x40x6	Clyde	-	Offer
★ DK10007	100x40x9	25T	61	395,000
★ DK10040	100x40x9	Clyde 20T	62	315,000
★ DK10050	100x50x8	American	20	Request
> DK11839	118x40x8	Hydraulic 260T	99	Offer
+ DK12000	120x57x8	Inland	43	105,000
★ DK12040	120x40x12	Inland	59	79,500
+ DK12044	120x44x9	50T/Whirley	43	Request
★ DK12060	120x60x10	Inland	45	132,500
DK12062	140x70x12	60T	44	Request
+ DK12070	140x70x12	140T/Whirley	-	1,160,000
> DK12334	123x34x-	Pedestal 100T	88	Offer
> DK14465	144x65x9	100T/revolving	84	Request
DK15052	150x53x12	Inland	67	Offer
> DK15166	151x66x15	250T	68	1,500,000
DK15550	155x51x11	100LT/Whirley	42	Charter
> DK15970	159x70x14	Propelled	01	Request
> DK16465	164x65x10	4100 Manitowoc	-	Request
> DK17050	170x50x9	Lima 150T	68	Request
> DK18049	180x50x10	5170/P&H Crawler	88	1,675,000
+ DK19050	190x50x-	4600 Manitowoc	-	Charter
> DK19068	190x69x13	250T/Sumitomo	90	Request
> DK22050	220x50x11	Inland	-	300,000
> DK24668	246x69x16	100T	80	Request
+ DK30010	300x100x18	Clyde - 700T	96	Request
> DK30101	301x100x25	3000T "A"	85	Charter
DK35099	350x100x25	1000T Gusto	72	Charter
> DK35292	352x92x20	Ocean Work	75	1,500,000
> DK48716	488x164x26	1200T Revolver	2001	Request

Tank Barges

File	Dimensions	BBL	Remarks	Built	Price
★ TB00001	57x8x-	-	Inland	-	26,500
> TB00182	82x22x5	-	Inland	61	120,000
★ TB00857	70x19x8	857	Inland	52	26,500
> TB01325	98x25x6	1325	Propelled	77	241,500
> TB03014	140x39x9	-	Ocean	78	Request
> TB03111	110x30x7	3000	Inland	80	140,000
★ TB03196	124x24x8	3196	Inland	55	69,000
+ TB03510	109x23x-	3592	Inland	-	Request
> TB04188	189x45x13	-	Ocean	97	Request
+ TB04700	-x-x-	4700	Inland	-	Request
> TB05120	120x40x8	-	Coastal	-	Request
TB05615	150x35x8	-	Inland	74	Request
TB06217	175x26x11	6260	Inland	56	130,000
★ TB06500	165x35x12	6400	Inland	43	110,000
> TB07135	135x34x9	6800	Inland	-	175,000
> TB07150	150x50x10	-	Ocean	90	Request
> TB09120	203x32x-	9120	Coastal	87	Request
TB09501	195x35x10	9500	Inland	63	Request
TB10002	232x35x11	10360	Inland	84	200,000
TB10012	123x50x12	10000	Inland	59	165,000
TB10020	200x35x12	10000	Inland	69	Request
TB10412	120x50x10	10455	Inland	66	70,000
> TB12160	160x50x10	-	Ocean	96	Request
> TB12181	180x50x12	-	Ocean	98	Request
> TB13210	210x56x12	-	Ocean	99	Request
> TB14149	150x49x17	-	Coastal	-	New Quote
TB14423	232x50x12	14476	Inland	49	75,000
TB15024	240x40x11	15000	Inland	61	220,000
> TB16210	210x56x12	13000	Ocean	98	Request
TB17321	215x54x13	17323	Inland	74	385,000
TB17322	228x54x13	17323	Inland	74	Request
+ TB20210	210x52x15	-	Ocean	77	Request
TB21003	-x-x-	21000	Inland	-	Request
★ TB21007	290x53x23	21000	Ex-Ocean	56	685,000
TB22229	295x54x13	22239	Inland	74	490,000
> TB22634	349x46x16	-	Coastal	00	Offer
TB24929	295x54x-	24978	Inland	74	550,000
> TB27049	300x49x14	27324	Inland	58	680,000
> TB27211	211x60x16	27000	Ocean	99	Request
> TB28235	235x45x18	28786	Inland	52	Request
★ TB28286	287x52x18	-	Ocean	73	1,665,000
★ TB29000	298x54x12	28870	Inland	75	690,000
★ TB29001	298x54x12	28858	Inland	75	730,000
> TB29055	260x55x17	-	Coastal	70	Request
> TB30220	220x60x16	-	Ocean	-	725,000
> TB30230	230x60x18	30000	Ocean	99	Request
> TB30921	220x60x16	30921	Coastal	99	950,000
> TB31297	298x60x21	31452	LNG	73	Request
★ TB99021	563x90x45	282942	Ocean	56	Request

Miscellaneous Barges

File	Dimensions	BBL	Remarks	Built	Price
> MB07529	76x30x-		Lift Boat	-	Request
MB08041	80x40x-		Jack-Up	97	685,000
MB08066	80x60x7		Jack-up	81	900,000
> MB08730	87x30x7		Dredge Booster	-	Request
+ MB11135	106x34x11		Quarters - 30	45	Request
> MB11465	115x66x11		Jack-Up	-	Request
MB12030	120x30x7		Quarters - 52	-	132,500
MB12031	120x30x7		Quarters - 40	-	205,000
MB12033	120x33x11		Reefer Barge	-	375,000
> MB14292	142x92x12		Jack-up	72	4,750,000
> MB14777	147x77x13		Jack-up	78	Request
MB15032	150x32x9		Quarters - 60	-	Request
+ MB15044	150x44x12		Quarters - 54	93	815,000
> MB15942	159x50x15		Inland Work	-	Request
> MB15965	159x65x12		Ocean Work	-	Request
+ MB16050	160x50x12		Quarters - 28	67	600,000
> MB16140	165x140x-		Jack-up	New	Quote
> MB19688	197x89x16		Pile Driver	87	Request
> MB19773	197x74x16		Maintenance	88	8,000,000
MB20830	208x30x7		Quarters - 60/80	-	Request
> MB21365	213x65x-		Ocean Work	81	3,500,000
> MB22145	221x44x12		Work Shop	84	370,000
> MB22587	225x87x15		Chip Processor	-	Request
> MB25560	246x60x27		Cable Layer	98	Request
★ MB26148	261x48x15		Quarters	-	685,000
> MB27172	271x72x15		Ocean Work	77	Request
> MB29059	300x90x21		Ocean Work	76	Request
> MB29345	293x43x-		Quarters	85	Request
> MB30090	300x90x20		Ocean Lay	75	Request
> MB30092	300x90x19		Ocean Lay	56	3,100,000
> MB32825	328x252x32		Jack-Up Rig	-	Request
> MB33669	337x70x18		Ocean Work	83	Request
MB35061	350x60x22		Ocean Lay	58	Offer
MB36290	362x90x22		Quarters - 1100	-	Request
> MB36737	368x38x45		Flotel - 400	86	Request

Hopper Barges

File	Dimensions	Remarks	Built	Price
HB05025	50x25x-	Inland Dump	-	Request
> HB12536	125x36x16	Coastal	85	79,000
> HB12575	125x75x13	Coastal	84	210,000
★ HB14440	144x40x14	Inland Dump	54	26,500
★ HB14640	146x38x17	Inland	-	121,000
★ HB15035	150x35x11	Inland Cement	-	Request
★ HB17140	171x42x16	Inland Dump	62	185,000
★ HB17141	171x42x16	Inland Dump	62	210,000

File	Dimensions	Machinery	HP	Built	Price
★ HB17143	171x42x16	Inland Dump		62	265,000
★ HB17144	171x43x16	Inland Dump		-	52,500
★ HB18345	183x45x16	Dump Barge		-	52,500
HB18643	186x43x15	Ocean Dump		55	Request
HB19527	195x26x-	Inland		74	Request
HB19529	195x35x16	Ocean		71	450,000
HB19537	195x35x11	Inland Cement		59	250,000
HB19545	195x35x12	Inland Cement		69	80,000
HB19546	195x46x15	Inland Dump		59	52,500
HB19557	195x35x14	Inland		76	125,000
> HB19559	195x35x11	Inland		67	Request
HB19560	195x35x12	Inland(2)		-	Request
HB20043	200x35x12	Inland(2)		81	50,000
HB20045	200x35x12	Inland		81	50,000
★ HB24055	240x54x22	Ocean Dump		00	Request
★ HB25053	250x53x11	Inland Cement		67	250,000
> HB28165	280x66x-	Ocean House		91	525,000
> HB29237	292x37x14	Inland(2)		89	Request
★ HB30339	303x38x17	Inland		58	250,000
> HB31239	311x40x15	Inland		66	Request
> HB34165	341x66x31	Ocean		81	Request
> HB34851	359x50x24	Ocean		61	840,000
> HB38063	380x63x40	Ocean		69	Request
> HB40175	333x75x24	Coastal		69	1,565,000
HB42081	420x80x32	Ocean		67	Request
> HB43081	430x80x29	Ocean		70	Request

Supply Boats

Built	File	Dimensions	Machinery	HP
	SU13030	130x30x12	2xGM16V92	1200 82 Request
>	SU14033	140x33x14	2xB&W	2000 81 Request
>	SU14034	140x33x14	2xB&W	1800 81 Request
>	SU14739	147x39x18	2xEMD16645	6000 76 Request
	SU15532	150x32x13	2xEMD8645	1950 76 Request
	SU15738	157x38x14	2xCATD398	1700 81 1,820,000
>	SU15739	147x39x18	2xEMD16645	6000 76 1,820,000
	SU16501	165x36x12	2xCATD398	1700 77 Request
>	SU16531	165x38x12	2xCATD398	1700 67 525,000
	SU16617	116x38x13	2xGM16V149	2240 76 1,675,000
	SU16621	166x38x12	2xCATD398	1700 77 Request
>	SU16638	166x38x13	2xGM16V149	1860 79 Request
>	SU16639	166x38x13	2xGM16V149	1860 80 Request
+	SU16838	168x38x14	2xEMD12645	3000 77 1,700,000
>	SU17001	170x37x14	2xLister	2400 K 68 580,000
>	SU17009	171x38x15	2xEMD16567	3280 73 Request
	SU17014	170x38x14	2xEMD12567	2400 71 1,600,000
	SU17040	180x40x14	2xCAT3516	3400 79 Request
>	SU17103	171x38x-	2xEMD16567	3240 73 1,300,000
	SU17343	173x40x14	2xGM16V149	1800 82 3,750,000

Details believed correct, not guaranteed. Offered subject to prior sale or

Supply Boats

File	Dimensions	Machinery	HP	Built	Price
> SU17442	174x38x18	2xIndustrie	2000	75	Request
SU17501	175x40x15	2xGM16V149	1800	82	Request
SU17504	175x38x13	2xCATD399	2250	78	Request
> SU17606	176x38x14	2xGM16V149	1860	75	1,565,000
> SU17648	176x45x12	2xCAT3412	1248	97	Request
> SU17684	176x38x14	2xCAT3512	2400	82	1,000,000
> SU18001	180x38x14	2xCATD399	2250	75	Request
> SU18022	180x40x14	2xEMD12645	3000	79	1,315,000
> SU18050	180x40x14	2xCATD399	2250	79	945,000
> SU18065	180x38x14	2xEMD16567	3280	76	945,000
SU18068	180x38x14	2xGM16V149	2240	76	Request
> SU18110	180x40x14	2xEMD16567	3200	79	1,565,000
> SU18111	180x38x14	2xEMD16657	3200	75	1,565,000
> SU18114	180x40x14	2xEMD16567	3200	79	1,315,000
SU18343	183x40x14	2xEMD12645	3000	83	3,950,000
> SU18445	184x47x17	2xMWM	3500	74	1,975,000
> SU18507	185x39x15	2xLister	4000 K	73	Request
SU18510	185x40x14	2xCATD399	2250	82	Request
> SU18560	185x38x15	2xEMD16645	3900	81	1,360,000
> SU18562	185x38x14	2xEMD16567	3200	82	1,050,000
> SU18565	185x38x14	2xCATD398	1700	77	Request
> SU18642	186x43x15	2xDeutz	3500	77	1,050,000
+ SU18837	188x36x17	2xB&W	5000	73	Request
> SU18839	188x38x18	2xMAN	4600	76	1,675,000
> SU19007	190x43x18	2xCAT3516	4000 K	New	Quote
> SU19015	190x38x15	2xEMD16645	3900	77	750,000
SU19038	190x38x15	2xEMD16645	5750	73	Request
> SU19042	190x40x16	2xEMD12645	4300	79	1,050,000
> SU19046	190x42x15	2xEMD16645	5751 K	76	1,300,000
> SU19055	190x40x16	2xEMD12645	4300	79	1,265,000
> SU19059	190x42x17	2xCAT3516	4000	New	Quote
SU19143	190x40x14	2xEMD16645	3900	80	Request
> SU19144	191x40x17	2xMAK	5300	74	1,800,000
> SU19400	194x40x17	2xNohab	7040 K	74	Request
> SU19410	195x40x16	2xDaihatsu	5200	84	Request
> SU19500	195x42x15	2xEMD16645	5750 K	75	1,300,000
> SU19541	195x41x17	2xMirrlees	6166	84	Request
> SU19543	195x42x16	2xAllen	5600	73	Request
> SU19603	196x40x18	2xPolar	6160 K	73	Request
> SU19643	196x43x21	2xMAK	6000	76	1,565,000
> SU19645	196x43x18	None	-	99	1,500,000
> SU19705	196x43x21	2xMAK	7300	77	1,825,000
> SU19748	197x42x20	2xMAK	6600	75	1,250,000
> SU19846	198x46x22	2xBolnes	6000	81	5,500,000
> SU19945	199x46x17	2xWartsila	5300	New	Request
SU19946	199x42x16	2xMAN	4000 K	86	Request
> SU20008	201x41x18	2xNohab	7040 K	76	Request
> SU20018	201x41x18	2xNohab	7040 K	76	2,075,000
> SU20129	202x40x19	2xDeutz	7200 K	83	Request

File	Dimensions	Machinery	HP	Built	Price
> SU20238	202x38x15	2xYanmar	3520	82	2,650,000
> SU20239	202x38x15	2xYanmar	3520	82	2,650,000
> SU20950	210x49x18	2xWartsila	8920	99	13,000,000
> SU20954	209x43x16	2xStork	8000 K	76	Request
> SU21002	205x45x18	2xEMD20645	7200	75	2,300,000
> SU21003	210x45x18	2xEMD20645	7200	75	2,300,000
> SU21007	210x43x17	2xDelaval	7500 K	77	Request
> SU21042	210x43x21	2xB&W	8480 K	75	Request
> SU21146	211x45x23	2xWichmann	7040 K	79	4,500,000
> SU21250	212x45x22	2xNohab	7040	75	Request
> SU21546	215x45x23	2xWartsila	9700	83	Request
SU21942	220x42x16	2xEMD16645	6140	82	Request
> SU22051	220x50x24	4xMAK	14400 K	82	Request
> SU23554	235x54x24	4xMAK	10880 K	83	Request
> SU23653	236x53x24	2xAlco	5400	83	Request
> SU25345	256x47x24	2xMAK	9450	76	Request

Utility Boats

Built	File	Dimensions	Machinery	HP
+ UB05614	56x14x8	2xGM6-71	330 66	119,000
> UB06819	69x19x9	2xGM12V71	680 81	Request
> UB07631	76x31x9	2xCummins	1160 K 94	Request
> UB07833	78x33x8	3xCAT3306	660 K 90	Request
> UB08500	85x24x-	2xCummins	840 78	Request
UB08533	85x33x11	2xGM12V92	900 81	510,000
> UB08627	86x27x14	2xRussky	2400 71	Request
UB09000	90x22x12	2xGM12V71	680 73	395,000
★ UB09126	91x26x10	2GM16V92	1550 K 79	840,000
> UB09521	95x21x-	1xB&W	800 75	210,000
UB09600	96x24x11	2xGM12V71	680 75	Request
UB10002	100x24x10	2xGM12V71	680 80	Request
UB10024	100x24x11	2xGM12V71	680 66	395,000
UB10324	103x24x10	2xGM16V71	910 71	450,000
UB11004	116x26x10	2xGM16V92	1238 79	950,000
UB10502	110x24x10	2xGM12V71	680 71	450,000t
> UB11006	110x26x10	2xGM16V92	1200 81	Request
> UB11018	110x26x10	2xGM16V92	1200 82	515,000
UB11035	110x24x11	2xGM12V71	680 74	825,000
> UB11043	110x26x11	2xGM16V71	910 82	525,000
> UB11044	110x28x10	2xCAT3412	1040 80	370,000
UB11226	112x26x-	2xGM16V71	910 64	Request
> UB11231	112x26x11	2xGM16V92	1252 79	420,000
UB11531	115x26x12	2xGM16V71	910 76	Request
UB11532	115x25x10	2xGM16V71	910 76	Request
UB11537	115x36x11	2xGM16V92	1200 77	790,000
> UB11603	116x26x10	2xGM16V92	1200 81	515,000
UB11824	118x24x9	2xGM16V71	910 70	710,000
> UB11826	118x26x11	2xGM16V92	1252 80	370,000
UB12001	120x26x-	2xGM16V71	910 79	Request

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Utility Boats Continued

File	Dimensions	Machinery	HP	Built	Price
> UB12004	120x27x11	2xGM16V92	1200	81	Request
UB12026	120x26x-	2xGM16V71	910	79	Request
> UB12029	120x28x12	2xCATD379	1130	80	340,000
UB12031	125x28x10	2xGM16V92	1200	81	Request
> UB12036	120x28x8	2xGM16V92	1200	81	660,000
> UB12038	120x26x10	2xGM12V149	1400	79	420,000
UB12039	120x26x-	2xGM16V92	1200	78	Request
> UB12043	120x27x11	2xGM16V92	1200	81	Request
UB12044	120x26x8	2xGM16V92	1200	79	Request
> UB12045	120x26x10	2xGM12V71	1140	76	315,000
UB12506	125x26x12	2xGM16V71	910	78	Request
> UB12627	121x27x12	2xGM16V149	2560	80	1,230,000
> UB13031	130x30x12	2xGM16V92	1200	82	Request
> UB13232	131x32x13	2xMirrlees	2000 K	84	Request
> UB13518	135x19x12	2xMGO	2200 K	72	288,000
> UB13526	135x26x13	2xGM16V92	1200	92	Request
> UB13732	138x33x10	3xVolvo	480	75	Request

Crew Boats

File	Dimensions	Machinery	HP	Built	Price
★ CB02600	26x-x-	2xKodiak	-	99	80,000
CB02809	26x8x4	2xYamaha	450	65	Request
CB02913	29x8x-	1xGM6-71	228	74	33,000
CB02914	29x10x-	1xGM6-71	228	74	33,000
> CB03011	31x11x5	2xCAT	360	-	Request
CB03111	32x10x-	1xGM6-71	228	66	23,000
CB03112	31x10x-	1xGM6V53	320	-	Request
CB03211	32x11x-	1xGM6-71	228	69	26,000
CB03214	32x10x-	1xGM6-71	228	70	25,000
CB03216	32x10x-	1xGM8V71	304	68	35,000
CB03217	32x10x-	1xGM6-71	228	72	33,000
CB03218	32x10x-	1xGM6-71	228	72	33,500
CB03220	32x10x-	1xGM6-71	228	71	33,000
CB03616	35x16x-	2xGM6V53	800	90	240,000
CB03813	-x-x-	2xGM6-71	330	78	132,500
CB03915	40x13x-	2xGM8V71	460	63	Request
CB04012	40x12x5	2xGM653	294	78	Request
CB04013	41x14x-	2xGM8V71	460	65	Request
★ CB04015	40x14x6	1xGM8V71	230	64	25,000
CB04214	42x15x-	2xGM8V71	460	82	119,000
CB04218	42x14x-	2xGM8V92	600	81	120,000
CB04219	42x14x6	2xGM6V71	330	66	Request
CB04236	42x44x5	2xGM6V71	330	78	150,000
CB04604	47x-x-	2xGM8V71	460	83	195,000
CB04605	46x-x-	2xGM8V71	460	65	Request
> CB04616	46x16x5	2xGM6V92	1100	92	Request

Listings Updated Daily On Internet

	Built	File Price	Dimensions	Machinery	HP
★	CB04702	47x15x6	2xGM8V71	460 74	120,000
>	CB04811	48x15x6	2xGM12V71	1020 -	84,000
+	CB05161	61x18x8	1xCATD379	510 64	110,000
+	CB05219	52x16x-	2xCummins	295 77	150,000
>	CB05515	55x15x-	2xGM12V71	680 82	200,000
	CB05817	58x17x-	2xGM12V71	680 -	205,000
	CB06513	65x17x7	2xGM12V71	1020 72	347,000
	CB06516	65x16x8	2xGM12V71	1020 68	370,000
★	CB06518	65x18x10	2xGM12V71	1170 99	Request
+	CB06521	65x18x6	2xGM6-71	360 69	135,000
>	CB06523	65x18x7	2xGM12V71	1000 76	175,000
>	CB06525	65x20x8	2xGM12V71	1020 83	79,000
>	CB06532	65x18x10	2xGM12V71	1020 74	Request
+	CB07534	78x34x9	4xLugger	2432 97	1,500,000
>	CB07801	78x18x9	2xGM12V71	1020 73	Request
	CB08002	80x17x9	2xGM16V71	910 76	Request
>	CB08118	81x18x9	2xMTU	1780 83	Request
>	CB09003	90x21x7	3xGM12V71	1530 72	Request
>	CB09725	98x26x8	2xGM16V71	910 80	Request
★	CB10000	100x-x-	2xGM12V149	1400 69	Request
	CB10001	100x24x10	3xGM12V71	1530 80	550,000
	CB10006	100x23x9	3xGM12V71	1530 81	550,000
	CB10013	100x23x9	3xGM12V71	1530 76	450,000
>	CB10020	100x21x10	2xGM16V149	1800 79	160,000
	CB10021	100x22x10	None	- 76	210,000
	CB10026	100x23x9	3xGM12V71	1530 80	475,000
>	CB10031	99x22x6	3xGM12V71	1530 77	625,000
	CB10034	100x25x10	4xGM12V71	2040 81	525,000
>	CB10308	105x24x10	2xGM12V71	1020 81	710,000
	CB10523	105x22x10	3xGM12V71	1530 82	Request
	CB10529	105x23x9	3xGM12V71	1530 79	475,000
	CB10593	105x25x9	2xGM12V71	1530 78	Request
>	CB10721	107x21x7	3xGM12V71	1530 81	Request
>	CB10921	109x21x10	4xGM12V71	2600 80	Request
>	CB10926	110x26x-	3xGM12V71	2090 83	Request
	CB11002	110x24x11	4xGM12V71	2040 80	675,000
	CB11007	110x24x11	4xGM12V71	2040 82	675,000
>	CB11010	110x22x9	3xGM16V92	2820 78	Request
★	CB11012	110x22x9	3xGM16V92	2820 76	Request
>	CB11013	110x22x10	3xGM16V92	2820 75	450,000
	CB11016	110x25x8	4xGM12V71	2040 76	Request
	CB11055	110x39x-	2xGM16V149	3200 82	650,000
	CB11057	110x22x10	3xCummins	1650 89	1,250,000
>	CB11058	110x24x10	4xGM12V71	2040 82	Request
>	CB11059	110x24x10	4xGM12V71	2040 80	Request
	CB12011	115x25x10	3xMTU	2550 80	595,000
	CB12033	120x25x10	3xCAT3412	2200 80	800,000
>	CB12034	120x25x10	3xCAT3412	2200 81	800,000
>	CB12035	120x24x11	4xGM12V71	2040 83	Request
>	CB12202	122x24x9	2xCAT3512	2890 81	650,000
	CB16500	165x32x13	3xCAT3516	6600 96	Request
	CB16532	165x32x13	3xCAT3516	6600 96	Request

Landing Crafts

File	Dimensions	Machinery	HP	Built	Price
> LC04113	41x13x4	2xRusski	-	98	190,000
+ LC05014	50x14x-	2xGM6-71	330	45	18,000
+ LC05514	55x14x-	2xGM6-71	330	-	Request
+ LC05605	56x14x-	2xGM6-71	330	-	Request
+ LC05614	56x14x-	2xGM8V71	1000 K	-	115,000
+ LC05618	56x14x-	2xGM8V71	460 K	-	38,500
+ LC05619	56x14x-	2xGM6V71	330	65	143,000
+ LC06525	65x25x7	2xGM6-71	330	65	Request
+ LC07021	70x21x-	4xGM6-71	660	-	99,000
> LC07022	70x21x-	2xPerkins	240	68	Request
+ LC07400	74x-x-	4xGM6-71	720	-	145,000
+ LC07401	74x21x-	4xGM6-71	660	60	159,000
+ LC07421	74x21x-	4xGM6-71	660	54	52,500
+ LC07522	75x22x-	2xGM12V71	680	54	Request
> LC08218	82x19x5	2xScania	300	66	Request
> LC08319	83x19x-	2x	-	00	Request
> LC09122	91x23x-	2xMWM	-	60	Request
> LC09123	91x23x-	2xMWM	-	60	Request
> LC09124	91x24x6	2xGM12V71	680	80	295,000
> LC09523	95x24x7	2xDeutz	500	54	Request
> LC09524	95x23x-	2xDeutz	500	54	95,000
> LC09625	97x24x-	2xMWM	612	56	75,000
> LC10424	105x24x6	2xCAT3306	470	82	Request
> LC12729	127x29x9	2xCummins	850	90	630,000
> LC13227	132x27x-	2xGM8V71	460	55	125,000
> LC13230	122x30x15	2xDeutz	598	81	315,000
+ LC13538	135x38x7	3xCAT3406	975	85	Request
> LC13639	136x39x10	3xCAT	645	91	Request
> LC13640	136x39x10	2xDeutz	750	91	Request
> LC13729	137x29x-	2xCAT408T	730	93	Request
★ LC14934	149x34x6	None	1020	66	195,000
+ LC15132	177x31x10	2xCAT3412	1040	46	Request
> LC15735	157x35x10	2xCAT3412	1230	00	Request
> LC16038	160x39x-	1xMercedes	225	62	285,000
> LC16344	164x45x-	2xVolvo	320	65	475,000
> LC18033	180x33x12	2xMTU	1700	99	Request
> LC18539	185x39x10	2xGM12V92	1020	93	1,600,000
> LC19146	192x46x13	2xGM16V92	1200	83	350,000
> LC19600	206x39x11	2xCAT3412	1500	01	Request
> LC19680	197x43x9	2xMAN	930	00	Request
> LC20138	207x38x11	2xCAT3412	1362	92	975,000
> LC20649	206x48x-	2xCAT3412	1342	95	Request
> LC20945	209x46x44	2xCAT3412	1440	-	Request
> LC21644	217x44x-	2xKelvin	880	77	Request
> LC23352	233x52x16	2xCAT3412	1340	96	2,050,000
★ LC25844	258x45x28	2xCATD399	2000	69	Request
> LC26752	267x51x16	3xCATD398	2550	70	Request
> LC27862	279x62x10	2xCummins	1200	98	800,000
+ LC38456	384x56x16	4xEMD16278	6800	52	Offer

(Continued from page 1)

vestment if forced to sell.

The majority of 3-5,000BHP tugs built today worldwide are for shipdocking and this sector is also probably where the greatest number of used tugs change hands. New U.S. docking tugs have been or are being built by most major operators including Crowley, Foss, Moran, McAllister, Bay-Houston. Bisso to name a few. New azimuthing or tractor tugs can be found in ports from Australia to Norway and Saudi Arabia to France. Foss Maritime, in addition to starting a new class of 6,250HP azimuthing tugs for the U.S. West Coast, decided to spend \$10 million to upgrade five conventional tugs averaging about 20 years age with larger engines and advanced propulsion systems. On the international market, there are a number of good twin screw and azimuthing shipdocking tugs for sale in the 2-4,000HP range, but voith schneider tugs seldom come available. Although we have U.S. buyers, there are no American second-hand azimuthing or tractor tugs for sale. Few anchor handling tugs vs. anchor handling tug suppliers are being built, but Otto Candies is continuing with a series of 150' x 50' triple screw, 9,740BHP tugs powered by twin EMD16-645E6's outboard with Aquamaster z-drives and an EMD 20-710G7B centerline from Bender Shipbuilding. Two other 10,000HP AHT's are also under construction at a Florida yard. Again, there are good second-hand foreign anchor handling tugs for sale, but no bargains in the U.S.

This has been a busy year for Marcon sales with five twin and two triple screw tugs sold plus another 2500HP tug sale pending and a newbuilding 3,200HP tug under negotiation. Inquiries come in daily for modern conventional twin screw or azimuthing tugs. There is a double tier in today's market. Good boats that have been rebuilt or well-maintained and are working are maintaining value while older, inefficient units are not earning a second glance. Many listings are single screw, and few are selling. In the past, foreign buyers were a home for redundant or outdated U.S. tonnage. This may be still the case for some small operators who are always on the look-out for bargains, but most are looking to modernize.

Newbuildings of the next ten years will probably not be much different from tugs you see today. Owners are looking for improved versions of existing designs, with better emissions control, maneuverability, longer lifespans and always reduced manning. Manning is a key factor worldwide and it is not just a tightening up of purse strings to lower costs, but the difficulty in even finding, training and keeping qualified crews.

Overall numbers of tugs may decrease as shipyards deliver higher horsepower, more efficient boats and companies pool fleets for efficiency. Mergers and acquisitions will continue with the feeling that "bigger is better" – not only with the boats, but also with companies striving always for the ever

Details believed correct, not guaranteed. Offered subject to prior sale or

Research, Dive & Rescue

File	Dimensions	Machinery	HP	Built	Price
RV05816	58x16x5	2xCummins	600	95	Request
RV06318	63x18x6	2xMAK	1100	96	Request
+ RV06518	65x18x8	1xGM8V71	230	64	250,000
> RV08024	80x24x7	2xYanmar	480	87	440,000
+ RV09338	93x38x-	4xCAT3208	1120	91	350,000
> RV09600	96x24x12	1xCAT3408	365	78	550,000
> RV09626	96x26x-	2xMAN	549	82	Request
RV10600	106x26x13	1xCATD398	850	84	695,000
> RV11543	114x43x-	2xKelvin	880	84	Request
> RV11926	119x26x6	2xMAN	548	82	Request
> RV12627	126x27x12	2xGM16V149	2560	80	1,500,000
> RV12827	128x28x11	2xYanmar	2200 K	82	800,000
RV15037	150x36x13	2xCATD398	1800	65	Request
> RV16238	190x37x19	4xLister	2400	68	Request
> RV16936	169x37x-	2xLister	1600	66	Request
> RV17600	176x36x18	1xRuston	2000	72	1,050,000
> RV17601	155x33x-	1xDeutz	990 K	66	485,000
RV18001	180x40x14	2xCATD399	2250	81	Request
> RV18444	185x45x-	2xMirrlees	4000 K	74	Request
> RV18445	184x44x12	2xGM16V92	1232	83	Request
> RV18503	185x40x-	2xCATD399	2250	82	275,000
> RV18545	185x45x17	2xRuston	5300 K	72	Request
> RV19329	193x29x15	2xMitsubishi	1200	57	500,000
> RV19417	194x40x17	2xCAT3606	4800	74	Request
> RV19420	193x43x20	2XAlpha	3100	78	Request
> RV19430	195x30x23	1xDeutz	1500	47	500,000
> RV19600	196x38x16	2xIndustrie	-	66	Request
> RV19601	196x29x18	1xCAT	750	59	Request
> RV19639	195x38x19	2xMirrlees	1300	80	Request
> RV19840	197x40x17	2xEMD12645	3000	81	Request
RV21014	210x40x14	2xCAT3516	3000	82	Request
> RV21035	210x33x23	1xMAK	1750	64	1,050,000
RV21041	214x40x14	2xEMD12645	3000	92	Request
> RV21051	210x50x13	2xSulzer	1520	86	Request
> RV21442	214x42x-	2xMirrlees	6160	85	5,500,000
RV22046	220x46x16	2xCAT3516	3000	84	Request
> RV22343	224x44x23	3xPolar	3600	-	3,250,000
> RV22538	226x39x20	1xDeutz	2000	99R	2,000,000
> RV23439	234x40x21	4xFairbanks	10560	88R	3,500,000
> RV24939	249x39x18	1xMAN	2110	65	Request
> RV25844	259x45x-	4xMirrlees	7320	77	Request
> RV26142	261x42x19	2xEMD12645	4300	74	Request
> RV26759	268x59x23	2xPolar	5300 K	82	Request
> RV27256	272x56x-	2xBergen	6500	93	Charter
★ RV27851	278x51x25	2xAlco	3280	68	Request
RV27945	279x45x19	2xEMD12645	3000 K	01R	Charter
+ RV29652	295x52x28	4xFairbanks	5749	66	Request
> RV32658	326x58x19	2xDaihatsu	5600	78	Request
> RV36556	365x55x31	None	-	92	Request
> RV36760	367x60x38	2xPielstick	8000	73	Request
> RV42757	427x57x-	1xB&W	6100	81	Request

Ask For Details On Other Categories

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