CAL DIVE INTERNATIONAL INC Form 424B3 December 16, 2005 PROSPECTUS SUPPLEMENT NO. 1 (TO PROSPECTUS DATED NOVEMBER 7, 2005)

FILED PURSUANT TO RULE 424(b)(3) and (c) FILE NO. 333-125276

#### \$300,000,000 3.25% Convertible Senior Notes due 2025

This prospectus supplement relates to the resale by the holders of the 3.25% Convertible Senior Notes due 2025 of Cal Dive International, Inc. and the shares of common stock issuable upon conversion of the notes.

This prospectus supplement supplements and should be read in conjunction with the prospectus dated November 7, 2005, which is to be delivered with this prospectus supplement. This prospectus supplement is not complete without, and may not be delivered or utilized except in connection with, the prospectus, including all amendments and supplements thereto. The terms of the notes are set forth in the prospectus.

The information in the prospectus appearing in the table under the heading Selling Security Holders is hereby modified and restated as set forth in the table below. The information below was furnished to us by the selling security holders listed below on or before December 12, 2005.

	Amount of	Percentage of	Amount of	Number of Shares of Common	Number of Shares of Common Stock	of Shares of Common Stock Upon
	Notes	Notes	Notes To	Stock	That	Completion of
	Beneficially	Beneficially	Be Sold (\$)	Beneficially Owned	May Be Sold	Offering
<b>Selling Security Holder</b>	Owned (\$)	Owned	(1)	(2)(3)	(1)(3)	(1)
1976 Distribution Trust FBO						
A.R	4,000	*	4,000	124	124	0
2000 Revocable Trust FBO						
Lauder/Zinter Hofer	4,000	*	4,000	124	124	0
Advent Convertible Master						
(Cayman)	7,904,000	2.63	7,904,000	245,972	245,972	0
Alcon Laboratories(4)	274,000	*	274,000	8,526	8,526	0
Aloha Airlines Non- Pilots	27.000		27.000	1 000	4 000	
Pension Trust	35,000	*	35,000	1,089	1,089	0
Aloha Pilots Retirement	20.000	.1.	20.000	(22	(22	0
Trust	20,000	*	20,000	622	622	0
Argent Classic Convertible	100 000	*	100.000	5.010	5.010	0
Arbitrage Fund L.P.	190,000	*	190,000	5,912	5,912	0
Argent Classic Convertible	110,000	*	110,000	2 422	2 422	0
Arbitrage Fund II, L.P.	110,000		110,000	3,423	3,423	U
Argent Classic Convertible Arbitrage Fund (Bermuda)						
Ltd.	1,590,000	*	1,590,000	49,480	49,480	0
Argent LowLev Convertible	1,390,000	•	1,390,000	49,400	49,400	U
Arbitrage Fund, LLC	260,000	*	260,000	8,091	8,091	0
Thomage Fund, LLC	200,000	S-1	200,000	0,071	0,071	U
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Number

	Amount of Notes	Percentage of Notes	Amount of Notes To	Number of Shares of Common Stock	Number of Shares of Common Stock That	Number of Shares of Common Stock Upon Completion
	Beneficially	Beneficially	Be Sold (\$)	Beneficially	May Be	of Offering
Selling Security Holder Argent LowLev Convertible	Owned (\$)	Owned	(1)	Owned (2)(3)	<b>Sold</b> (1)(3)	(1)
Arbitrage Fund II, LLC Argent LowLev Convertible	30,000	*	30,000	933	933	0
Arbitrage Fund Ltd. Arlington County	2,290,000	*	2,290,000	71,264	71,264	0
Employees Retirement System(4)	578,000	*	578,000	17,987	17,987	0
Aristeia International Limited	11,760,000	3.92	11,760,000	365,971	365,971	0
Aristeia Partners LP	2,240,000	*	2,240,000	69,708	69,708	0
Arkansas PERS Asante Health Systems(4) Astrazeneca Holdings	680,000 90,000	*	680,000 90,000	21,161 2,800	21,161 2,800	0
Pension Black Diamond Offshore	200,000	*	200,000	6,224	6,224	0
Ltd. Boilermakers Blacksmith	923,000	*	923,000	28,723	28,723	0
Pension Trust British Virgin Islands Social	900,000	*	900,000	28,008	28,008	0
Security Board(4)	80,000	*	80,000	2,489	2,489	0
C&H Sugar Company, Inc. CNH CA Master Account,	45,000	*	45,000	1,400	1,400	0
L.P. CALAMOS® Convertible	24,000,000	8.00	24,000,000	746,880	746,880	0
and High Income Fund CALAMOS® Convertible Opportunities and Income	9,000,000	3.00	9,000,000	280,080	280,080	0
Fund CALAMOS® Global Growth & Income Fund	7,500,000	2.50	7,500,000	233,400	233,400	0
CALAMOS® Investment Trust CALAMOS® Growth & Income Fund CALAMOS®	1,600,000	*	1,600,000	49,792	49,792	0
Investment Trust	24,235,000	8.08	24,235,000	754,193	754,193	0

CALAMOS® Growth &						
Income Portfolio						
CALAMOS® Advisors						
Trust	165,000	*	165,000	5,134	5,134	0
CALAMOS® High Yield						
Fund CALAMOS®						
Investment Trust	3,000,000	1.00	3,000,000	93,360	93,360	0
Calamos® Strategic Total						
Return Fund	10,500,000	3.50	10,500,000	326,760	326,760	0
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				Number of Shares of	Number of Shares of	Number of Shares of Common
	Amount of	Percentage of	Amount of	Common	Common	Stock Upon
	Notes	Notes	Notes To	Stock	Stock That	Completion of
	Beneficially	Beneficially	Be Sold (\$)	Beneficially Owned	May Be Sold	Offering
Selling Security Holder	Owned (\$)	Owned	(1)	(2)(3)	(1)(3)	(1)
CBARB, a segregated						
account of Geode Capital						
Master Fund, Ltd.	2,000,000	*	2,000,000	62,240	62,240	0
Chrysler Corporation Master						
Retirement Trust(4)	1,870,000	*	1,870,000	58,194	58,194	0
Citadel Equity Fund Ltd.(4)	27,750,000	9.25	27,750,000	863,580	863,580	0
City and County of San						
Francisco Retirement	066,000	*	066,000	20.061	20.061	0
System	966,000	*	966,000	30,061	30,061	0
City University of New	01.000	*	01.000	2 021	2 021	0
York(4) Class C Trading Company	91,000		91,000	2,831	2,831	0
Class C Trading Company, Ltd.	210,000	*	210,000	6,535	6,535	0
Credit Suisse First Boston	210,000		210,000	0,333	0,333	U
LLC(5)	1,000,000	*	1,000,000	31,120	31,120	0
Delaware PERS	390,000	*	390,000	12,136	12,136	0
Delaware Public Employees	370,000		370,000	12,130	12,130	O
Retirement System(4)	786,000	*	786,000	24,460	24,460	0
Delta Airlines Master Trust	195,000	*	195,000	6,068	6,068	0
Delta Air Lines Master Trust	193,000		175,000	0,000	0,000	Ü
CV(4)	320,000	*	320,000	9,958	9,958	0
Delta Pilots Disability &	220,000		220,000	7,750	,,,,,	Ŭ
Survivorship Trust CV(4)	185,000	*	185,000	5,757	5,757	0
Deutsche Bank Securities	100,000		100,000	2,.2.	2,727	v
Inc.(5)	45,000	*	45,000	1,400	1,400	0
Double Black Diamond	- ,		- ,	,	,	
Offshore LDC	5,441,000	1.81	5,441,000	169,323	169,323	0
Drawbridge Global Macro	, ,		, ,	,	,	
Master Fund Ltd.	3,000,000	1.00	3,000,000	93,360	93,360	0
Duke Endowment	180,000	*	180,000	5,601	5,601	0
F.M. Kirby Foundation,						
Inc.(4)	275,000	*	275,000	8,558	8,558	0
Family Service Life						
Insurance Co.(4)	100,000	*	100,000	3,112	3,112	0
	3,500,000	1.17	3,500,000	108,920	108,920	0

Frontpoint Convertible						
Arbitrage Fund, LP						
Grady Hospital(4)	85,000	*	85,000	2,645	2,645	0
Guardian Life Insurance						
Co.(4)	7,000,000	2.33	7,000,000	217,840	217,840	0
Guardian Pension Trust(4)	400,000	*	400,000	12,448	12,448	0
HFRCA Global Select						
Master Trust Account	190,000	*	190,000	5,912	5,912	0
HFR CA Opportunity Mst.						
Trst(4)	454,000	*	454,000	14,128	14,128	0
		S-3				

						Number of
		Percentage		Number of Shares of	Number of Shares of	Shares of Common Stock
	Amount of	of	Amount of	Common	Common Stock	Upon
	Notes	Notes	Notes To	Stock	That	Completion of
	Beneficially	Beneficially	Be Sold (\$)	Beneficially Owned	May Be Sold	Offering
Selling Security Holder	Owned (\$)	Owned	(1)	(2)(3)	(1)(3)	(1)
HSBC Investments (USA) Inc. for the HSBC						
Multi-Strategy Arbitrage						
Fund(4)	1,000,000	*	1,000,000	31,120	31,120	0
Hallmark Convertible						
Securities Fund	40,000	*	40,000	1,244	1,244	0
Hawaiian Airlines						
Employees Pension Plan IAM	10,000	*	10,000	311	311	0
Hawaiian Airlines Pilots	10,000		10,000	311	311	O
Retirement Plan	35,000	*	35,000	1,089	1,089	0
ICI American Holdings	,		,	-,	-,	-
Trust	145,000	*	145,000	4,512	4,512	0
Independence Blue Cross(4)	480,000	*	480,000	14,937	14,937	0
Inflective Convertible						
Opportunity Fund I, L.P.	1,045,000	*	1,045,000	32,520	32,520	0
Inflective Convertible	2 700 000		• • • • • • • • •	100.000	400.000	
Opportunity Fund I, LTD.	3,500,000	1.17	3,500,000	108,920	108,920	0
International Truck & Engine Corporation						
Non-Contributory						
Retirement Plan Trust(4)	165,000	*	165,000	5,134	5,134	0
International Truck &	,		,	-,	-,	-
Engine Corporation Retiree						
Health Benefit Trust(4)	85,000	*	85,000	2,645	2,645	0
International Truck &						
Engine Corporation						
Retirement Plan for Salaried	00.000	*	00.000	2 000	2 000	0
Employees Trust(4)	90,000	*	90,000	2,800	2,800	0
J.P. Morgan Securities Inc.(5)	1,500,000	*	1,500,000	46,736	46,680	56
Lyxor Convertible Arbitrage	1,500,000	•	1,500,000	40,730	+0,000	30
Fund(4)	642,000	*	642,000	19,979	19,979	0
Lyxor/Inflective Convertible	,0		_,~~			~
Opportunity Fund Limited	1,003,000	*	1,003,000	31,213	31,213	0

Lyxor/Quest Fund Ltd. Merrill Lynch Insurance	2,000,000	*	2,000,000	62,240	62,240	0
Group	274,000	*	274,000	8,526	8,526	0
Microsoft Corporation(4)	275,000	*	275,000	8,558	8,558	0
Municipal Employees	133,000	*	133,000	4,138	4,138	0
Municipal Employees						
Benefit Trust	189,000	*	189,000	5,881	5,881	0
		S-4				

		Percentage		Number of Shares of	Number of Shares of	Number of Shares of Common Stock
	Amount of	of	Amount of	Common	Common Stock	Upon
	Notes	Notes	Notes To	Stock	That	Completion of
	Beneficially	Beneficially	Be Sold (\$)	Beneficially Owned	May Be Sold	Offering
Selling Security Holder	Owned (\$)	Owned	(1)	(2)(3)	(1)(3)	(1)
New Orleans Firefighters	52.000	ale.	52.000	1.640	1.640	0
Pension/Relief Fund	53,000	*	53,000	1,649	1,649	0
Nuveen Preferred and	2 40 5 000		2 40 7 000	100 = 61	400 764	
Convertible Fund JQC	3,495,000	1.17	3,495,000	108,764	108,764	0
Nuveen Preferred and						
Convertible Income Fund	2 (00 000	.1.	2 (00 000	00.012	00.013	0
JPC	2,600,000	*	2,600,000	80,912	80,912	0
OCLC Online Computer	20.000	.1.	20.000	622	600	0
Library Center Inc.	20,000	*	20,000	622	622	0
OCM Convertible Trust(4) OCM Global Convertible	525,000	*	525,000	16,338	16,338	0
Securities Fund(4)	80,000	*	80,000	2,489	2,489	0
Occidental Petroleum						
Corporation	196,000	*	196,000	6,099	6,099	0
Ohio Bureau of Workers						
Compensation	110,000	*	110,000	3,423	3,423	0
Partner Reinsurance						
Company Ltd.(4)	320,000	*	320,000	9,958	9,958	0
Policeman and Firemen						
Retirement System of the						
City of Detroit(4)	340,000	*	340,000	10,580	10,580	0
Pro-Mutual	570,000	*	570,000	17,738	17,738	0
Putnam Convertible						
Income-Growth Trust(4)	6,000,000	2.00	6,000,000	186,720	186,720	0
Quest Global Convertible						
Master Fund Ltd.	500,000	*	500,000	15,560	15,560	0
<b>Qwest Occupational Health</b>						
Trust(4)	105,000	*	105,000	3,267	3,267	0
Qwest Pension Trust(4)	280,000	*	280,000	8,713	8,713	0
RBC Capital Markets(5)	2,500,000	*	2,500,000	77,800	77,800	0
RCG Baldwin LP(4)	750,000	*	750,000	23,340	23,340	0
RCG Halifax Master Fund,						
LTD(4)	750,000	*	750,000	23,340	23,340	0
RCG Latitude Master Fund,						
LTD(4)	2,750,000	*	2,750,000	85,580	85,580	0

RCG Multi Strategy Master						
Fund, LTD(4)	1,000,000	*	1,000,000	31,120	31,120	0
Ramius Capital Group(4)	1,000,000	*	1,000,000	31,120	31,120	0
Ramius Master Fund						
LTD(4)	2,750,000	*	2,750,000	85,580	85,580	0
Sage Capital Management,						
LLC	500,000	*	500,000	15,560	15,560	0
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						Number of
				Number of Shares of	Number of Shares of	Shares of Common
	Amount of	Percentage of	Amount of	Common	Common Stock	Stock Upon
	Notes	Notes	Notes To	Stock	That	Completion of
	Beneficially	Beneficially	Be Sold (\$)	Beneficially Owned	May Be	Offering
Selling Security Holder	Owned (\$)	Owned	(1)	(2)(3)	<b>Sold</b> (1)(3)	(1)
Silver Convertible	250,000	ale.	250 000	7.700	7.700	0
Arbitrage Fund, LDC	250,000	*	250,000	7,780	7,780	0
Silverback Conv Arb Master	10,000,000	3.33	10,000,000	211 200	311,200	0
State Employees	10,000,000	3.33	10,000,000	311,200	311,200	U
Retirement Fund of the						
State of Delaware(4)	450,000	*	450,000	14,004	14,004	0
State of Oregon Equity	1,925,000	*	1,925,000	59,906	59,906	0
Susquehanna Capital	1,525,000		1,525,000	27,700	37,700	O
Group(5)	3,000,000	1.00	3,000,000	93,360	93,360	0
Syngenta AG	135,000	*	135,000	4,201	4,201	0
TCW Group Inc.	4,730,000	1.58	4,730,000	147,197	147,197	0
The Grable Foundation(4)	54,000	*	54,000	1,680	1,680	0
The St. Paul Travelers						
Companies, Inc.						
Commercial Lines(4)	600,000	*	600,000	18,672	18,672	0
Trustmark Insurance	220,000	*	220,000	6,846	6,846	0
UBS O Connor LLC F/B/O						
O Connor Global						
Convertible Arbitrage						
Master Limited	8,000,000	2.67	8,000,000	248,960	248,960	0
UBS O Connor LLC F/B/O						
O Connor Global Arbitrage	2 000 000	1.00	2 000 000	02.260	02.260	0
II Master Limited	3,000,000	1.00	3,000,000	93,360	93,360	0
UBS Securities LLC(5)	7,510,000	2.50	7,510,000	233,711	233,711	0
UnumProvident	175 000	*	175 000	5 AAC	5 116	0
Corporation(4)	175,000		175,000	5,446	5,446	0
Vicis Capital Master Fund Virginia Retirement	12,000,000	4.00	12,000,000	373,440	373,440	0
System(4)	940,000	*	940,000	29,252	29,252	0
Waterstone Market Neutral	940,000	•	940,000	29,232	29,232	U
MAC51, Ltd.	2,390,000	*	2,390,000	74,376	74,376	0
Waterstone Market Neutral	2,390,000	•	2,390,000	74,370	74,370	U
Master Fund, Ltd.	9,312,000	3.10	9,312,000	289,789	289,789	0
master i una, Liu.	70,000	*	70,000	2,178	2,178	0
	70,000		70,000	2,170	2,170	U

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Xavex Convertible						
Arbitrage 2 Fund						
Xavex Convertible						
Arbitrage 5 Fund	1,000,000	*	1,000,000	31,120	31,120	0
Xavex Convertible						
Arbitrage 10 Fund	100,000	*	100,000	3,112	3,112	0
Unidentified Selling						
Security Holders	27,694,000	9.23	27,694,000	861,874(6)	861,874(6)	0
		00				
Total	300,000,0	100	300,000,000	9,335,944	9,336,000	56
* Less than 1%						
			S-6			

(1) Because a selling security holder may sell all or a portion of the notes and common stock issuable upon conversion of the notes pursuant to this prospectus, an estimate can not be given as to the number or percentage of notes and common stock that the selling security holder will hold upon termination of any sales. The information presented assumes that all of the selling security holders will fully convert the notes for cash and shares of our common stock and that the selling security holders will sell all shares of our common stock that they received pursuant to such conversion.

(2)