Print and Digital Editions International
Certificate of Circulation

For the 5 issues distributed between 1 January 2010 and 31 December 2010

Business Magazines

PTQ - Petroleum Technology Quarterly



Contents

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	Paid and Controlled		
	Single Copy Subscription Sales	√	0.40%
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The Primary Market Sector for this publication is:

Energy: Oil & Petroleum

This certificate expires on 31 March 2012 unless ABC has issued a new certificate before that date.

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Certification Statement

This certificate was issued on 8 March 2011. The data included is derived from a return of circulation prepared by the publisher: Crambeth Allen Publishing Ltd.

The Publisher has certified that the data has been reported in accordance with ABC reporting standards. If an audit or inspection reveals a material difference ABC will revise and re-issue the certificate together with an audit/inspection report detailing the changes. For details of audit or inspection reports issued or the reporting standards and procedures, please contact ABC.

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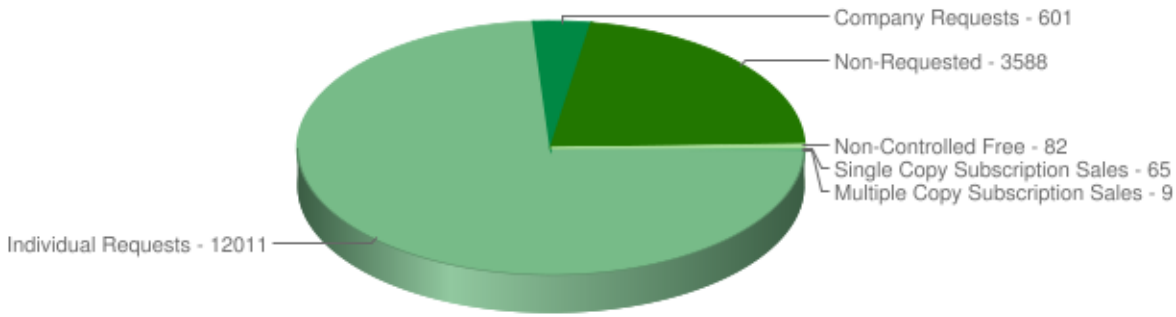
PTQ - Petroleum Technology Quarterly

Certificate of Average Net Circulation for the 5 issues distributed between 1 January 2010 and 31 December 2010

	Net Total	Print Edition	Digital Edition
TOTAL AVERAGE NET CIRCULATION PER ISSUE	**17,723**	**11,988**	**5,735**
Total Average Net Newstrade Sales Per Issue	-	-	-
Analysis for the Audit issue cover dated Q4 2010 and distributed on 12 October 2010			
Total Net Circulation	**16,356**	**11,248**	**5,108**
Newstrade & Other Single Copy Sales	**-**	**-**	**-**
Paid and Controlled	**-**	**-**	**-**
Single Copy Subscription Sales	**65**	**65**	**-**
At Full Rate	65	65	-
At Between 50% and 100% of Full Rate	-	-	-
At less than 50% of Full Rate	-	-	-
Multiple Copy Subscription Sales	**9**	**9**	
At Full Rate	9	9	
At Between 50% and 100% of Full Rate	-	-	
At less than 50% of Full Rate	-	-	
Corporate/Gift Subscription Sales	**-**		**-**
Society/Association/Organisation Circulation	**-**	**-**	**-**
Controlled Free Circulation	**16,200**	**11,092**	**5,108**
see terms of control. Sources for all addressees are less than 3 years old.			
Individual Written Requests	3,560	3,560	-
Individual Electronic Requests	4,852	2,228	2,624
Individual Telephone Requests	3,599	1,115	2,484
Company Written Requests	544	544	
Company Electronic Requests	-	-	
Company Telephone Requests	57	57	
Non-requested by name	3,588	3,588	
Non-requested by job title / function	-	-	
Non-Controlled Free Circulation	**82**	**82**	
By Name	82	82	
Not by Name	-	-	

Note: Grey shading indicates circulation categories for which print or digital editions are excluded

Duplication: The level of duplication on the mailing list for the audit issue was: 2%



SUPPORTING DATA

Basic Cover Price & Subscription Rates

The Basic Cover Price for the audit issue was: £20.00

The Basic Annual Rate for Subscriptions for the Audit Issue was: £100.00

2 or 3 year subscriptions are available

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Controlled Circulation

Terms of Control in the audit period:

Presidents and Vice Presidents, General Managers, Technical Directors; managers of process, construction, planning, maintenance, operations and projects; superintendents; process, electrical mechanical and maintenance engineers within oil refineries, gas processing plants, petrochemical plants and companies operating such plants. Also engineering contractors, process licensors and other individuals within the oil, gas and petrochemical industries and attendees at hydrocarbon industry conferences.

Age of Source Data for the Audit Issue	Total		0-1 Year		1-2 Years		2-3 Years	
	Qty	%	Qty	%	Qty	%	Qty	%
Total	**12,612**	**100.0**	**4,185**	**33.2**	**5,162**	**40.9**	**3,265**	**25.9**
Individual Requests - Print	6,903	54.7	2,923	23.2	2,505	19.9	1,475	11.7
Individual Requests - Digital	5,108	40.5	1,089	8.6	2,364	18.7	1,655	13.1
Company Requests - Print	601	4.8	173	1.4	293	2.3	135	1.1
Company Requests - Digital								

Actual Distribution Dates for issues distributed during the audit period

Variances for issues with a variance of more than 10% above (+) or below (-) the average net circulation

Cover Date / ID	Distribution Date	Total Net Circ.	Print	Digital	Variance %	Cover Date / ID	Distribution Date	Total Net Circ.	Print	Digital	Variance %
Q1 2010	18-Jan-2010	17,259	12,280	4,979	-						
Cat 2010	05-Mar-2010	16,881	11,777	5,104	-						
Q2 2010	30-Apr-2010	18,698	13,286	5,412	-						
Q3 2010	08-Jul-2010	19,421	11,350	8,071	-						
Q4 2010	12-Oct-2010	16,356	11,248	5,108	-						

Other Bulk Distribution (Please note. these copies are NOT included in the circulation of any issue)

Cover Date / ID	Total Bulk Copies	Category/Distribution Location
	3,130	
Q1 2010	100	IPTC/IDTC, Madrid, Spain
Q1 2010	200	NPRA AM, Phoenix, USA
Q1 2010	180	Refining China Conference, Beijing, China
Cat 2010	200	IPTC/IDTC, Madrid, Spain
Cat 2010	200	NPRA AM, Phoenix, USA
Cat 2010	200	NPRA, Baltimore, USA
Cat 2010	200	NPRA R & M Conference, San Antonio, USA
Cat 2010	150	Global Refining Summit, Rotterdam, Netherlands
Cat 2010	200	ERTC, Istanbul, Turkey
Q2 2010	150	Global Refining Summit, Rotterdam, Netherlands
Q2 2010	200	NPRA R & M Conference, San Antonio, USA
Q3 2010	200	BBTC, London, UK
Q3 2010	200	Turbo Symposium, College Station, USA
Q4 2010	200	CEE Refining & Petrochemical, Budapest, Hungary
Q4 2010	150	Opportunity Crudes, Houston, USA
Q4 2010	200	NPRA, Baltimore, USA
Q4 2010	200	ERTC, Istanbul, Turkey

PTQ - Petroleum Technology Quarterly

Certificate of Average Net Circulation for the 5 issues distributed between 1 January 2010 and 31 December 2010

Geographical Analysis of circulation of the audit issue

	Total	Print	Digital
Total Circulation	**16,356**	**11,248**	**5,108**

	Total	Print	Digital
Total Analysed	**16,356**	**11,248**	**5,108**

	Total	Print	Digital
Total Not Analysed			

Europe	**3,565**	**2,996**	**569**
Albania			
Andorra			
Austria	37	33	4
Azores			
Balearic Islands			
Belarus (Belorussia)	25	24	1
Belgium	144	134	10
Bosnia & Herzegovina	2	1	1
Bulgaria	8	6	2
Canary Islands	1		1
Corsica			
Croatia	53	40	13
Cyprus	2	2	
Czech Republic	34	30	4
Denmark	37	34	3
Estonia			
Faroe Islands			
Finland	42	34	8
France	261	213	48
Germany	403	357	46
Gibraltar			
Greece	39	28	11
Greenland			
Hungary	35	24	11
Iceland	1	1	
Italy	469	425	44
Latvia	1	1	
Liechtenstein			
Lithuania	7	5	2
Luxembourg	2	1	1
Macedonia	2		2
Madeira			
Malta			
Moldova (Moldovia)			
Monaco			
Netherlands	338	277	61
Norway	19	17	2
Poland	71	65	6
Portugal	59	49	10
Republic of Ireland	8	7	1
Romania	92	71	21
Russia	58	43	15
San Marino			
Serbia	32	27	5
Slovakia	22	17	5
Slovenia	2	2	
Spain	267	212	55
Spitzbergen			
Sweden	39	34	5
Switzerland	50	48	2
Turkey	82	61	21
Ukraine	10	8	2
United Kingdom	811	665	146
Vatican City State			
Other			
North America	**4,735**	**4,186**	**549**
Canada	482	388	94
Mexico	68	43	25
Saint Pierre & Miquelon			
USA	4,185	3,755	430
Other			
Central & South	**690**	**493**	**197**
Anguilla			
Antigua & Barbuda			
Antilles, Netherlands	21	20	1
Argentina	95	69	26
Aruba	13	11	2
Bahamas			
Barbados			
Belize			
Bermuda			
Bolivia	2	1	1
Brazil	157	111	46
Cayman Islands			
Chile	43	35	8
Columbia	81	57	24
Costa Rica	1		1
Cuba	20	17	3
Dominica			
Dominican Republic	1		1
Ecuador	3	1	2
El Salvador	1	1	
Falkland Islands			
Grenada			
Guadeloupe			
Guatemala	1	1	
Guiana, French	1	1	
Guyana			
Haiti			
Honduras			
Jamaica	10	9	1
Martinique			
Montserrat			
Nicaragua			
Panama	1	1	
Paraguay			
Peru	107	62	45
Puerto Rico	1		1
Saint Kitts & Nevis			
Saint Lucia			
St Vincent &			
Surinam	1	1	
Trinidad & Tobago	40	34	6
Turks & Caicos Islands			
Uruguay	15	9	6
Venezuela	74	52	22
Virgin Islands, British			
Virgin Islands, US	1		1
Other			
Australasia & Pacific	**160**	**135**	**25**
Australia	153	130	23
Belau (Caroline Islands)			
Christmas Island (Indian			
Cocos (Keeling Islands)			
Fiji			
French Polynesia			
Guam			
Kiribati (Gilbert Islands)			
Marshall Islands			
Micronesia, Federated			
Nauru			
New Caledonia			
New Zealand	6	5	1
N Z Island Territories			
Norfolk Island			
Northern Mariana Is			
Papua New Guinea	1		1
Pitcairn Island			
Samoa, American			
Samoa, Western			
Solomon Islands			
Tonga			
Tuvalu			
Vanuatu (New			
Wake Island			
Wallis & Futuna			
Other			
Asia	**3,948**	**1,492**	**2,456**
Afghanistan			
Armenia	1		1
Azerbaijan	1		1
Bangladesh	16	10	6
Bhutan			
British Indian Ocean			
Georgia			
India	3,812	1,397	2,415
Kazakhstan	1		1
Kyrgystan			
Maldives			
Mongolia			
Myanmar (Burma)	1	1	
Nepal			
Pakistan	93	62	31
Sri Lanka	17	16	1
Tajikistan			
Tibet			
Turkmenistan			
Uzbekistan	6	6	
Other			
South East Asia	**1,909**	**1,100**	**809**
Brunei	4	3	1
Cambodia (Kampuchea)			
China, Peoples	191	148	43
East Timor			
Hong Kong	5	5	
Indonesia	129	82	47
Japan	50	39	11
Korea, Democratic			
Korea, Republic of	83	67	16
Laos			
Macau			
Malaysia	248	165	83
Phillippines	45	33	12
Singapore	755	332	423
Taiwan	58	48	10
Thailand	288	150	138
Vietnam	53	28	25
Other			
Africa	**338**	**255**	**83**
Angola	4	4	
Ascension Island			
Benin			
Botswana			
Burundi			
Burkina Faso			
Cameroon			
Cape Verde Islands			
Central African			
Chad			
The Comoros			
Congo			
Cote D'Ivorie (Ivory	20	18	2
Djibouti			
Equatorial Guinea	2		2
Eritrea	4	4	
Ethiopia	4	3	1
Gabon			
Gambia			
Ghana	31	27	4
Guinea			
Guinea-Bissau			
Kenya	16	13	3
Lesotho			
Liberia			
Madagascar			
Malawi			
Mali			
Mauritania			
Mauritius			
Mayotte			
Mozambique			
Namibia			
Niger			
Nigeria	135	100	35
Reunion			
Rwanda			
Saint Helena			
Sao Tome & Principe			
Senegal			
Seychelles			
Sierra Leone			
Somalia			
South Africa	79	57	22
Sudan	32	19	13
Swaziland			
Tanzania			
Togo			
Tristan Da Cunha			
Uganda			
West Sahara			
Zaire			
Zambia	11	10	1
Zimbabwe			
Other			
Middle East & N Africa	**1,011**	**591**	**420**
Algeria	61	45	16
Bahrain	50	30	20
Egypt	62	49	13
Emirates, United Arab	155	67	88
Gaza & Khan Yunis			
Iran	237	168	69
Iraq	10	4	6
Israel	29	27	2
Jordan	7	4	3
Kuwait	52	26	26
Lebanon	1		1
Libya	21	16	5
Morocco	8	5	3
Oman	29	13	16
Qatar	68	35	33
Saudi Arabia	187	77	110
Spanish North Africa			
Syria	15	14	1
Tunisia	4	3	1
Yemen	15	8	7
Other			

PTQ - Petroleum Technology Quarterly

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Geographical Analysis of circulation of the audit issue

Total Circulation	**16,356**

Total Analysed	**16,356**

Total Not Analysed	

Europe - Total	**3,565**
Albania	
Andorra	
Austria	37
Azores	
Balearic Islands	
Belarus (Belorussia)	25
Belgium	144
Bosnia & Herzegovina	2
Bulgaria	8
Canary Islands	1
Corsica	
Croatia	53
Cyprus	2
Czech Republic	34
Denmark	37
Estonia	
Faroe Islands	
Finland	42
France	261
Germany	403
Gibraltar	
Greece	39
Greenland	
Hungary	35
Iceland	1
Italy	469
Latvia	1
Liechtenstein	
Lithuania	7
Luxembourg	2
Macedonia	2
Madeira	
Malta	
Moldova (Moldovia)	
Monaco	
Netherlands	338
Norway	19
Poland	71
Portugal	59
Republic of Ireland	8
Romania	92
Russia	58
San Marino	
Serbia	32
Slovakia	22
Slovenia	2
Spain	267
Spitzbergen	
Sweden	39
Switzerland	50
Turkey	82
Ukraine	10
United Kingdom	811
Vatican City State	
Other	

North America	**4,735**
Canada	482
Mexico	68
Saint Pierre & Miquelon	
USA	4,185
Other	

Central & South America	**690**
Anguilla	
Antigua & Barbuda	
Antilles, Netherlands	21
Argentina	95
Aruba	13
Bahamas	
Barbados	
Belize	
Bermuda	
Bolivia	2
Brazil	157
Cayman Islands	
Chile	43
Columbia	81
Costa Rica	1
Cuba	20
Dominica	
Dominican Republic	1
Ecuador	3
El Salvador	1
Falkland Islands	
Grenada	
Guadeloupe	
Guatemala	1
Guiana, French	1
Guyana	
Haiti	
Honduras	
Jamaica	10
Martinique	
Montserrat	
Nicaragua	
Panama	1
Paraguay	
Peru	107
Puerto Rico	1
Saint Kitts & Nevis	
Saint Lucia	
St Vincent & Grenadines	
Surinam	1
Trinidad & Tobago	40
Turks & Caicos Islands	
Uruguay	15
Venezuela	74
Virgin Islands, British	
Virgin Islands, US	1
Other	

Australasia & Pacific Rim	**160**
Australia	153
Belau (Caroline Islands)	
Christmas Island (Indian Ocean)	
Cocos (Keeling Islands)	
Fiji	
French Polynesia	
Guam	
Kiribati (Gilbert Islands)	
Marshall Islands	
Micronesia, Federated States of	
Nauru	
New Caledonia	
New Zealand	6
N Z Island Territories	
Norfolk Island	
Northern Mariana Is (Marianas)	
Papua New Guinea	1
Pitcairn Island	
Samoa, American	
Samoa, Western	
Solomon Islands	
Tonga	
Tuvalu	
Vanuatu (New Hebrides)	
Wake Island	
Wallis & Futuna	
Other	

Asia	**3,948**
Afghanistan	
Armenia	1
Azerbaijan	1
Bangladesh	16
Bhutan	
British Indian Ocean Territories	
Georgia	
India	3,812
Kazakhstan	1
Kyrgystan	
Maldives	
Mongolia	
Myanmar (Burma)	1
Nepal	
Pakistan	93
Sri Lanka	17
Tajikistan	
Tibet	
Turkmenistan	
Uzbekistan	6
Other	

South East Asia	**1,909**
Brunei	4
Cambodia (Kampuchea)	
China, Peoples Republic of	191
East Timor	
Hong Kong	5
Indonesia	129
Japan	50
Korea, Democratic People's Rep	
Korea, Republic of	83
Laos	
Macau	
Malaysia	248
Phillippines	45
Singapore	755
Taiwan	58
Thailand	288
Vietnam	53
Other	

Africa	**338**
Angola	4
Ascension Island	
Benin	
Botswana	
Burundi	
Burkina Faso	
Cameroon	
Cape Verde Islands	
Central African Republic	
Chad	
The Comoros	
Congo	
Cote D'Ivorie (Ivory Coast)	20
Djibouti	
Equatorial Guinea	2
Eritrea	4
Ethiopia	4
Gabon	
Gambia	
Ghana	31
Guinea	
Guinea-Bissau	
Kenya	16
Lesotho	
Liberia	
Madagascar	
Malawi	
Mali	
Mauritania	
Mauritius	
Mayotte	
Mozambique	
Namibia	
Niger	
Nigeria	135
Reunion	
Rwanda	
Saint Helena	
Sao Tome & Principe	
Senegal	
Seychelles	
Sierra Leone	
Somalia	
South Africa	79
Sudan	32
Swaziland	
Tanzania	
Togo	
Tristan Da Cunha	
Uganda	
West Sahara	
Zaire	
Zambia	11
Zimbabwe	
Other	

Middle East & N Africa	**1,011**
Algeria	61
Bahrain	50
Egypt	62
Emirates, United Arab	155
Gaza & Khan Yunis	
Iran	237
Iraq	10
Israel	29
Jordan	7
Kuwait	52
Lebanon	1
Libya	21
Morocco	8
Oman	29
Qatar	68
Saudi Arabia	187
Spanish North Africa	
Syria	15
Tunisia	4
Yemen	15
Other	

PTQ - Petroleum Technology Quarterly

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GLOSSARY

THE DISTRIBUTION PERIOD. This is the time period covered by the ABC certificate.

EXPIRY DATE. Date at which the certificate is no longer valid-all Business Publications must issue an ABC certificate at least annually and on a continuous basis when they are in ABC membership.

TOTAL AVERAGE CIRCULATION PER ISSUE. This is commonly known as the headline ABC figure and is the average of the circulation of all the issues distributed over the distribution period covered by the certificate.

AUDIT ISSUE. A detailed analysis of the circulation is conducted on one issue specified by ABC this is called the audit issue.

CATEGORIES OF CIRCULATION. Publishers can show the detail of their circulation in various categories as specified below and governed by ABC rules.

NEWSTRADE & SINGLE COPY SALES. Copies purchased from recognised retail outlets or individually direct from the publisher. Most newstrade sales are made on a 'sale or return' basis and only the sale of copies can be claimed. The numbers that are sold on discounted terms are also shown.

PAID AND CONTROLLED. Paid subscription copies sent individually addressed to an individual name or job title. The individual or job title meets the publishers 'Terms of Control' for the title. There is a further breakdown based on the subscription price paid.

SINGLE COPY SUBSCRIPTIONS. Paid copies, distributed individually addressed to a company or individual. There is a further breakdown based on the subscription rate paid.

MULTIPLE COPY SUBSCRIPTIONS. Sale of 2 or more copies that have been purchased but for whom detail on the final recipients is not available. These copies must be distributed to the same group of individuals for the life of the subscription. Most commonly they are copies that have been purchased from the publisher on behalf of a group of final recipients. This category may also include copies where the final recipient cannot be identified, but the subscription has been purchased by a third party at less than 10% of the full rate.

CORPORATE / GIFT SUBSCRIPTION SALES. A corporate subscription is purchased by a business/organisation on behalf of their employees . A gift subscription is purchased by one individual on behalf on another individual (maximum order being 12 separate subscriptions for named individuals from one purchaser who is not the recipient, their employer, a customer or member).

SOCIETY / ASSOCIATION / ORGANISATION CIRCULATION. Circulation to members of a particular society/association for which the publication is the official journal is shown in this category with the following detail:

~ Paid Optional – members who have chosen to pay an additional sum to receive the magazine.
~ Unpaid Requested – in writing, by telephone or via web to a current member.
~ Non Optional – to current members of the society and association.

CONTROLLED FREE CIRCULATION. Copies sent free to individuals who can be proven to meet the 'Terms of Control' set by the publisher.

TERMS OF CONTROL. This is the criteria, set by the publisher, used to decide if an individual qualifies for a free copy.
Controlled free circulation is broken down into three further categories:

~ Individually Requested Copies – copies requested by the individual themselves
~ Company Requested Copies – copies requested for an individual by someone else from within their company
~ Non-Requested Copies by Name/Job Title – copies that have not been requested. The publisher is able to provide independent proof that the individuals 'fit' the target group specified.

AGE OF REQUESTS. If the Controlled Circulation is requested then the age of those requests is shown- broken down by 1, 2 and 3 years. All controlled circulation must be re-verified within three years .

NON-CONTROLLED FREE CIRCULATION. This category is for free copies that are sent either to a person by name, or a company or a job title (not by name). Whilst it is known to whom the copies are being sent, no other information about the addressee is audited.

DUPLICATION LEVEL. This is the duplication that exists on the mailing list for the audit issue and is shown as a percentage. Duplicates are not removed from the circulation figures but represented by this percentage .

OTHER BULK SALES. These copies are supplied in bulk for free. This is either on an every issue or irregular basis (eg. airlines, hotels, businesses, exhibitions/conferences). The figure will not count towards the Average Net Circulation.