

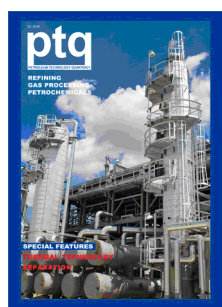


Print and Digital Editions International Certificate of Circulation

For the 5 issues distributed between 1 January 2009 and 31 December 2009

**Business
Magazines**

PTQ - Petroleum Technology Quarterly



Contents

2	Analysis of Circulation		
	Newstrade & Other Single Copy Sales		
	Paid and Controlled		
	Single Copy Subscription Sales	✓	0.43%
	Multiple Copy Subscription Sales	✓	0.07%
	Society/Association/Organisation Circulation		
	Controlled Free Circulation	✓	98.06%
	Non-Controlled Free Circulation	✓	1.44%
2	Supporting Data		
	Geographic Analysis		

The Primary Market Sector for this publication is:

Energy: Oil & Petroleum

This certificate expires on 31 March 2011 unless ABC has issued a new certificate before that date.

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Certification Statement

This certificate was issued on 6 March 2010. 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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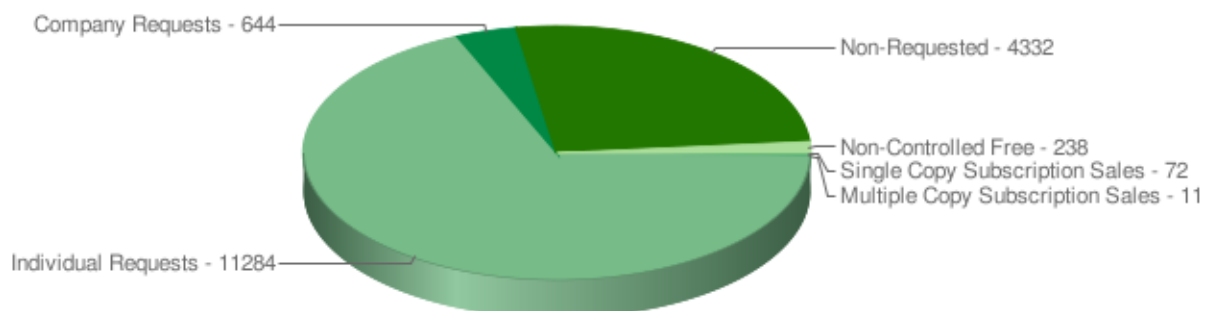
Certificate of Average Net Circulation for the 5 issues distributed between 1 January 2009 and 31 December 2009

	Net Total	Print Edition	Digital Edition
TOTAL AVERAGE NET CIRCULATION PER ISSUE	16,786	12,729	4,057
Total Average Net Newstrade Sales Per Issue	-	-	-
Analysis for the Audit issue cover dated Q4 2009 and distributed on 15 October 2009			
Total Net Circulation	16,581	12,143	4,438
Newstrade & Other Single Copy Sales	-	-	-
Paid and Controlled	-	-	-
Single Copy Subscription Sales	72	72	-
At Full Rate	72	72	-
At Between 50% and 100% of Full Rate	-	-	-
At less than 50% of Full Rate	-	-	-
Multiple Copy Subscription Sales	11	11	-
At Full Rate	11	11	-
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	16,260	11,822	4,438
see terms of control on page 3. Sources for all addressees are less than 3 years old.			
Individual Written Requests	4,424	4,424	-
Individual Electronic Requests	4,067	1,947	2,120
Individual Telephone Requests	2,793	475	2,318
Company Written Requests	642	642	-
Company Electronic Requests	2	2	-
Company Telephone Requests	-	-	-
Non-requested by name	4,332	4,332	-
Non-requested by job title / function	-	-	-
Non-Controlled Free Circulation	238	238	-
By Name	238	238	-
Not by Name	-	-	-

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

The percentage of the Audit Issue Print Edition Circulation which also opted to receive a digital copy is: %

Duplication: The level of duplication on the mailing list for the audit issue was: 3%



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 to 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, Plant 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	11,928	100.0	5,545	46.5	4,047	33.9	2,336	19.6
Individual Requests - Print	6,846	57.4	2,643	22.2	2,044	17.1	2,159	18.1
Individual Requests - Digital	4,438	37.2	2,549	21.4	1,849	15.5	40	.3
Company Requests - Print	644	5.4	353	3.0	154	1.3	137	1.1
Company Requests - Digital								

Actual Distribution Dates for issues distributed during the audit period

Variations 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 2009	14-Jan-2009	16,856	13,022	3,834	-						
Catalysis 2009	09-Mar-2009	17,120	13,214	3,906	-						
Q2 2009	20-Apr-2009	16,669	12,679	3,990	-						
Q3 2009	03-Jul-2009	16,700	12,585	4,115	-						
Q4 2009	15-Oct-2009	16,581	12,143	4,438	-						

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
	6,700	
Q1 2009	150	European Fuels, Paris
Q1 2009	150	Refining China, Beijing
Q1 2009	50	CIPPE, Beijing
Q1 2009	250	NPRA, San Antonio
Q1 2009	500	ACHEMA 2009, Frankfurt
Catalysis 2009	600	NPRA Q&A, Fort Worth
Catalysis 2009	600	ERTC, Berlin
Catalysis 2009	200	IPTC/IDTC, London
Catalysis 2009	250	NPRA, San Antonio
Catalysis 2009	500	NPRA Reliability and Maintenance, Dallas
Catalysis 2009	500	ACHEMA 2009, Frankfurt
Q2 2009	200	Global Refining Summit 2009, Rotterdam
Q2 2009	500	NPRA Reliability and Maintenance, Dallas
Q2 2009	500	ACHEMA 2009, Frankfurt
Q3 2009	200	Turbomachinery Symposium, Houston
Q4 2009	200	IBBT, Athens
Q4 2009	600	NPRA Q&A, Fort Worth
Q4 2009	600	ERTC, Berlin
Q4 2009	150	LKMT, Delhi

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Geographical Analysis of circulation of the audit issue

Total Circulation	Total			Total Analysed	Total			Total Not Analysed	Total		
	Total	Print	Digital		Total	Print	Digital		Total	Print	Digital
	16,581	12,143	4,438		16,581	12,143	4,438				
Europe	3,831	3,389	442								
Albania				Guatemala	1	1		Macau			
Andorra				Guiana, French				Malaysia	250	194	
Austria	42	39	3	Guyana				Philippines	52	44	
Azores				Haiti				Singapore	223	177	
Balearic Islands				Honduras	1	1		Taiwan	60	55	
Belarus (Belorussia)	26	23	3	Jamaica	6	5	1	Thailand	271	193	
Belgium	153	146	7	Martinique				Vietnam	60	38	
Bosnia & Herzegovina	2	1	1	Montserrat				Other			
Bulgaria	10	9	1	Nicaragua							
Canary Islands	1		1	Panama	2	2		Africa	408	338	
Corsica				Paraguay				Angola	4	4	
Croatia	53	48	5	Peru	134	94	40	Ascension Island			
Cyprus	2	2	5	Puerto Rico	1			Benin			
Czech Republic	36	31	5	Saint Kitts & Nevis				Botswana			
Denmark	37	35	2	Saint Lucia				Burundi			
Estonia	1	1	2	St Vincent & Surinam	1	1		Burkina Faso			
Faroe Islands				Trinidad & Tobago	42	37		Cameroon	1	1	
Finland	42	35	7	Turks & Caicos Islands				Cape Verde Islands			
France	296	264	32	Uruguay	16	12		Central African			
Germany	450	410	40	Venezuela	76	61	15	Chad			
Gibraltar				Virgin Islands, British				The Comoros			
Greece	28	24	4	Virgin Islands, US	9	7		Congo			
Greenland				Other				Cote D'Ivoire (Ivory)	19	18	
Hungary	32	29	3	Australasia & Pacific	178	154	24	Djibouti			
Iceland	1	1	40	Australia	170	147	23	Equatorial Guinea	2	2	
Italy	465	425	40	Belau (Caroline Islands)				Eritrea	5	5	
Latvia	1	1		Christmas Island (Indian				Ethiopia	4	4	
Liechtenstein				Cocos (Keeling Islands)				Gabon			
Lithuania	5	5	1	Fiji				Gambia	1	1	
Luxembourg	3	3	1	French Polynesia				Ghana	42	36	
Macedonia	1			Guam				Guinea			
Madeira				Kiribati (Gilbert Islands)				Guinea-Bissau			
Malta				Marshall Islands				Kenya	29	27	
Moldova (Moldovia)				Micronesia, Federated				Lesotho			
Monaco				Nauru				Liberia			
Netherlands	370	321	49	New Caledonia				Madagascar			
Norway	21	18	3	New Zealand	7	6	1	Malawi			
Poland	68	64	4	N Z Island Territories				Mali			
Portugal	53	47	6	Norfolk Island				Mauritania			
Republic of Ireland	6	5	23	Northern Mariana Is				Mauritius			
Romania	111	88	13	Papua New Guinea	1	1		Mayotte			
Russia	63	50	13	Pitcairn Island				Mozambique			
San Marino				Samoa, American				Namibia			
Serbia	33	33	5	Samoa, Western				Niger	161	135	
Slovakia	21	16	5	Solomon Islands				Nigeria		26	
Slovenia	2	2	40	Tonga				Reunion			
Spain	276	236	40	Tuvalu				Rwanda			
Spitzbergen				Vanuatu (New				Saint Helena			
Sweden	47	44	3	Wake Island				Sao Tome & Principe			
Switzerland	62	60	2	Wallis & Futuna				Senegal			
Turkey	94	79	15	Other				Seychelles			
Ukraine	14	12	2	Asia	3,902	1,290	2,612	Sierra Leone			
United Kingdom	903	782	121	Afghanistan				Somalia			
Vatican City State				Armenia	1			South Africa	81	62	
Other				Azerbaijan	2			Sudan	41	28	
				Bangladesh	17	11		Swaziland			
North America	4,956	4,512	444	Bhutan				Tanzania			
Canada	513	419	94	British Indian Ocean				Togo	2		
Mexico	72	55	17	Georgia	1	1		Tristan Da Cunha	6		
Saint Pierre & Miquelon				India	3,737	1,164	2,573	Uganda			
USA	4,371	4,038	333	Kazakhstan	2			West Sahara			
Other				Kyrgystan				Zaire			
				Maldives				Zambia	18	17	
Central & South	758	579	179	Mongolia				Zimbabwe			
Anguilla				Myanmar (Burma)	1	1		Other			
Antigua & Barbuda				Nepal				Middle East & N Africa	1,166	795	
Antilles, Netherlands	23	23	23	Pakistan	110	83	27	Algeria	73	62	
Argentina	99	76	23	Sri Lanka	21	20	1	Bahrain	56	34	
Aruba	13	11	2	Tajikistan				Egypt	57	49	
Bahamas				Tibet				Emirates, United Arab	166	80	
Barbados				Turkmenistan				Gaza & Khan Yunis			
Belize				Uzbekistan				Iran	268	202	
Bermuda				Other	10	10		Iraq	8	5	
Bolivia	3	1	2	South East Asia	1,382	1,086	296	Israel	40	37	
Brazil	163	122	41	Brunei	6	5	1	Jordan	7	4	
Cayman Islands				Cambodia (Kampuchea)				Kuwait	58	39	
Chile	45	38	31	China, Peoples	184	155	29	Lebanon	1	1	
Columbia	95	64	3	East Timor				Libya	26	21	
Costa Rica	1	1	3	Hong Kong				Morocco	10	7	
Cuba	21	18	2	Indonesia	134	102	32	Oman	35	18	
Dominica				Japan	52	44	8	Qatar	97	72	
Dominican Republic	1	1	2	Korea, Democratic				Saudi Arabia	229	135	
Ecuador	4	2	2	Korea, Republic of	84	73	11	Spanish North Africa			
El Salvador	1	1		Laos				Syria	15	14	
Falkland Islands								Tunisia	5	4	
Grenada								Yemen	15	12	
Guadeloupe								Other			

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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 of 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.