Corrosion Abstracts

FILE DESCRIPTION

Corrosion Abstracts provides the world's most complete source of bibliographic information in the area of corrosion science and engineering. International sources of literature scanned and abstracted in the areas of general corrosion, testing, corrosion characteristics, preventive measures, materials construction and performance, and equipment for many industries. **Corrosion Abstracts** provides engineers and scientists a resource for solving corrosion problems by reviewing the documented experiences of others and providing summarized findings in the article abstracts.

SUBJECT COVERAGE

Major areas of coverage include:

- Alloying
- Atmospheric Corrosion
- Cathodic protection
- Corrosion in Specific Materials
- Corrosion potential and prevention
- Cracking and Creep
- Diffusion and Fatigue
- Immersion and Impedance
- Inhibition and Inspection
- Marine Corrosion
- Oxidation and Pipe Corrosion
- Pitting and Welding
- Protective Coatings and Linings
- Theory and Data Interpretation
- Welding

SOURCES

The *Corrosion Abstracts* database includes information abstracted from more than 3,000 scientific and technical journals, government reports, conference proceedings, books, and other publications. The database corresponds to the print *Corrosion Abstracts*.

TIPS

USE FILE 46

to search for all information relating to corrosion topics.

USE /TI and /AB

for precise title and abstract searching:

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S CATHODIC(W)PROTECTION/TI,AB
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Use /DE

to narrow a search to specific subject.

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S WELDED JOINTS/DE
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USE RANK

to find experts working in an area of interest.

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S ATMOSPHERIC CORROSION?
RANK AU
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DIALOG FILE DATA

Inclusive Dates: 1980 to the present
Update Frequency:
Monthly (Approx. 500 records per update)
File Size: More than 105,000 records as of July 2005

CONTACT

Corrosion Abstracts is produced by CSA. Questions concerning file content should be directed to:

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SAMPLE RECORD

DIALOG(R)File 46:Corrosion Abstracts

AA= 0000116947 IP ACCESSION NO: 200501287
/TI Validation of an in-situ weld repair procedure for "old" cellulosic pipeline girth welds

AU= Schipaanboord, W N; Denys, R M; De Waele, W; Lefevre, A A
CS= NV Nederlandse Gasunie, Groningen, Netherlands

JN=,SO= Pipeline World, n 4, p 11-18, Aug. 2004
PY=, PD= PUBLICATION DATE: 2004

PU PUBLISHER: Scientific Surveys Ltd., P.O. Box 21, Beaconsfield, Bucks, HP9 1NS
CP= COUNTRY OF PUBLICATION: UK

CT=, CL=, CD= CONFERENCE:
Pipeline Technology Conference, Ostend, Belgium, 9-13 May 2004

DT= DOCUMENT TYPE: Journal Article
RT= RECORD TYPE: Abstract
LA= LANGUAGE: English
NOTES: Numerical Data; Graphs
FS= FILE SEGMENT: Corrosion Abstracts

/AB ABSTRACT:
Most gas companies operate high-pressure gas-transmission pipelines designed and constructed in the 1960s according to specifications in use at that time. Amongst other things, this means that tar wrapping does not fulfil the more-stringent present-day coating requirements. Advanced inspection techniques (intelligent pigging) shows that some of the field-coated girth welds need to be repaired/rehabilitated. At present, the qualified technique used by Gasunie for the rehabilitation of corroded pipelines is the installation of full encirclement sleeves. An alternative technique is local in-situ (under internal gas pressure) repair welding. Since this novel repair technique is neither qualified nor validated, experimental work was undertaken to verify whether in-situ repair is acceptable from a safety point of view. The work has shown that 'dress' welding is a reliable technique for in-situ repair of gas bearing pipelines. (Test material was an old (1968) cellulosic girth weld joining API 5L X 56 steel pipes).

/DE DESCRIPTORS: Gas pipelines; Welded joints; Repair welding; Coating; Pigging (inspection); Rehabilitation; Natural gas; Corrosion

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SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	—	All Basic Index Fields	Word	S WELD(W)REPAIR
/AB	AB	Abstract	Word	S INTELLIGENT(W)PIGGING/AB
/DE	DE	Descriptor[1]	Word & Phrase	S COATING/DE S GAS PIPELINE?/DE
/ID	ID	Identifier	Word & Phrase	S EOSIN/ID S TITANIUM SILICON CARBIDE/ID
/TI	TI	Title	Word	S PIPELINE(W)GIRTH(W)WELD?/TI

[1] Also /DF.

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AA=	AA	CSA Accession Number	Phrase	S AA=200501287
AU=	AU	Author	Phrase	S AU=DENYS, R?
—	AZ	DIALOG Accession Number		
BN=	BN	International Standard Book Number (ISBN)	Phrase	S BN=0-8194-52610- S BN=0819452610
CD=	CD	Conference Date	Phrase	S CD=20040509
CL=	CL	Conference Location	Word & Phrase	S CL=BELGIUM S CL=ANAHEIM, CA?
CP=	CP	Country of Publication	Phrase	S CP=UK S CP=NEW ZEALAND
CS=	CS	Corporate Source	Word & Phrase	S CS=(NEDERLANDSE(W)GASUNIE) S CS=NV NEDERLANDSE?
CT=	CT	Conference Title	Word	S CT=(PIPELINE(W)TECHNOLOGY)
CY=	CY	Conference Year	Phrase	S CY=2004
DT=	DT	Document Type	Phrase	S DT=JOURNAL ARTICLE
FS=	FS	File Segment	Phrase	S FS=CORROSION ABSTRACTS
—	II	Digital Object Identifier		
JN=	JN	Journal Name	Phrase	S JN=PIPELINE WORLD?
LA=	LA	Language	Phrase	S LA=ENGLISH
MC=	MC	Materials Classification	Phrase	S MC=COBALT BASE ALLOY?
ML=	ML	Materials	Phrase	S ML=STELLITE 6
NO=	NO	Document Number	Word & Phrase	S NO=(GA(W)A(W)15349) S NO=GA-A-15349 S NO=GAA15349
—	NR	Number of References		
—	NT	Note		
PD=	PD	Publication Date	Phrase	S PD=200408?
PU=	PU	Publisher	Word	S PU=(SCIENTIFIC(W)SURVEYS)
PY=	PY	Publication Year	Phrase	S PY=2004
RN=	RN	Report Number	Word & Phrase	S RN=5399 S RN=SPIE VOLUME 5399
RT=	RT	Record Type	Phrase	S RT=ABSTRACT
SN=	SN	International Standard Serial Number (ISSN)	Phrase	S SN=0883-2900
SO=	SO	Source Information	Word	S SO=(PIPELINE(W)WORLD)
UD=	—	Update	Phrase	S UD=199901

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SPECIAL FEATURES

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP DUP online.

LIMIT	/**ABS** -- Record has an Abstract /**NOABS** -- Record is Citation Only /**YYYY** -- Publication Year	S S2/ABS S S3/NOABS S S4/2004
SORT	**AA, AU, CS, JN, PY, TI**	SORT S3/ALL/PY/D SORT S1/ALL/TI
RANK	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked.	RANK DE RANK AU S4
RD, ID	Remove duplicates (RD) or identify duplicates (ID,IDO).	RD S5

PREDEFINED FORMAT OPTIONS

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Full Record except Abstract
3	Medium	Bibliographic Citation
4	--	Full Record with Tagged Fields
5	--	Full Record
6	Short	Title and Publication Year
7	Long	Bibliographic Citation and Abstract
8	Free	Title, Indexing, and Publication Year
9	Full	Full Record

OTHER OUTPUT OPTIONS

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

USER DEFINED FORMATS	Display codes listed in the Search Options tables can be used to customize output.	TYPE S3/AU,TI/1-5 PRINT S2/TI,AB/ALL
TAG	Output can be displayed with tags identifying each display field.	TYPE S2/5/1-5 TAG PRINT S3/9/ALL TAG
DIRECT RECORD ACCESS	If the accession number of a specific record is known, it can be used to display the record directly.	TYPE 0000118926/5 DISPLAY 0000118925/AU,TI PRINT 0000118922/9

FOR ONLINE HELP:

See HELP FIELDS 46 for searchable fields; HELP FORMAT 46 for output formats; HELP LIMIT 46 for limits; HELP RATES 46 for cost information; HELP SORT 46 for sorts.