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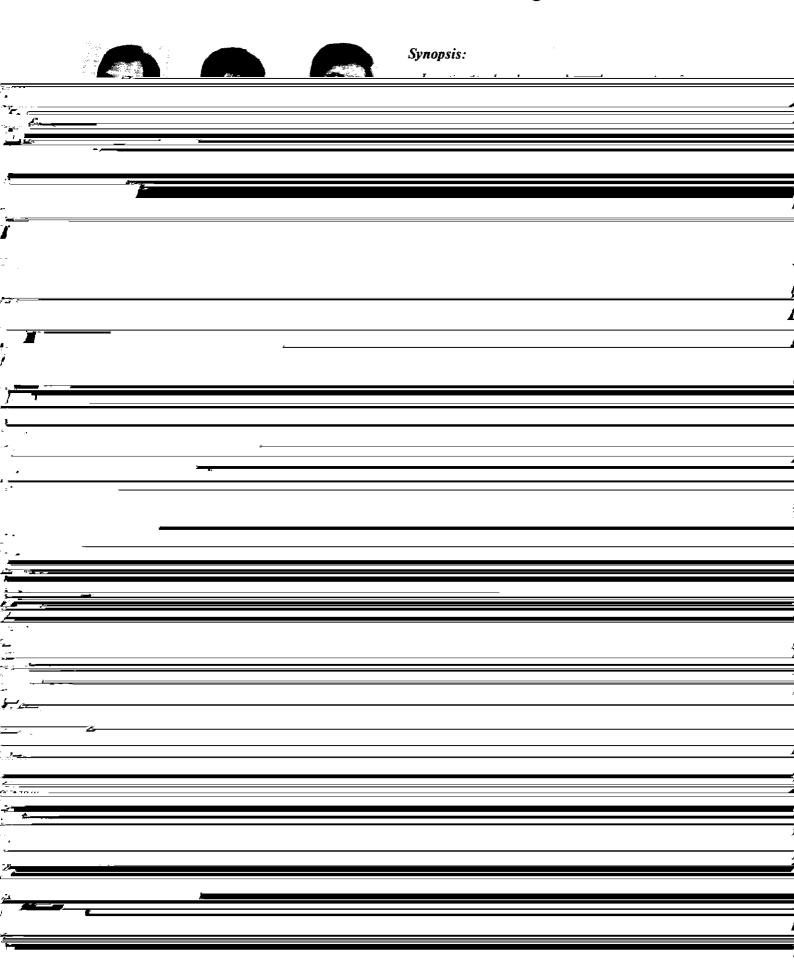
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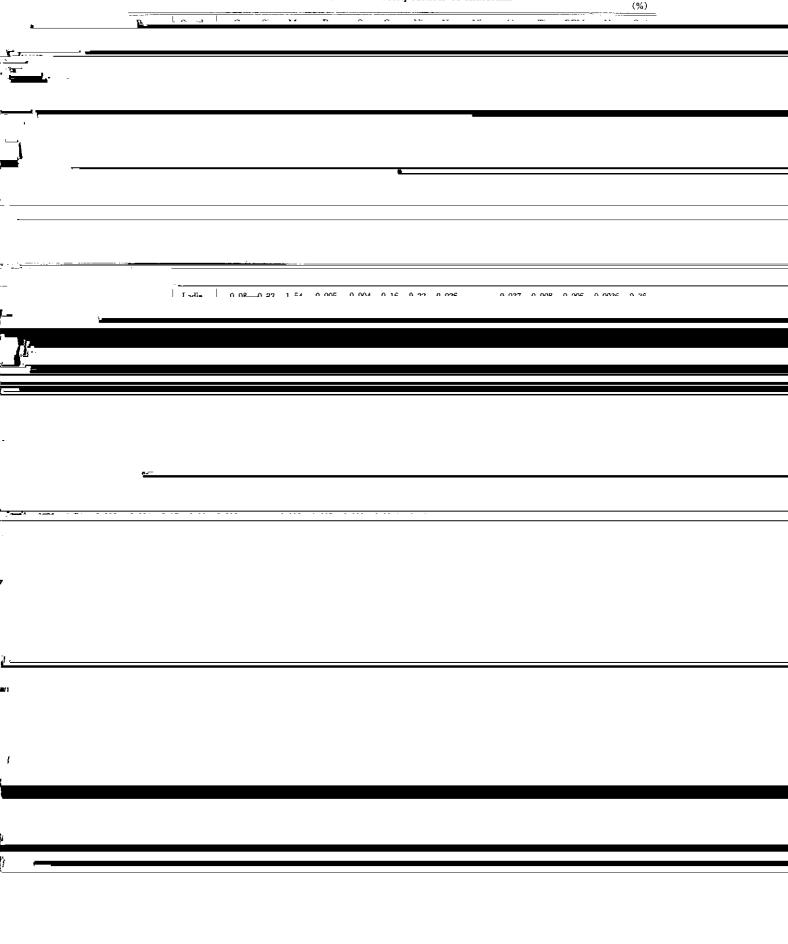
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Al-killed Steel Plates for LPG Storage Tanks*



	conventional QT steel plates Table 1 Characteristics of chemical comp	osition
	(2) Ascertainment of the basic properties, fracture	
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Steel	Three point bending COD test**	Deep notch test		ESSO test			Double tensile test		
	đ _c (mm)	σ _{net} (kgf/ mm²)	K _C (kgf/ mm³/1)	K _{Ca} (kgf/ mm ^{3/2})	Class tio A (°C)	G (°C)	K _{C4} (kgf/ mm ^{3/3})	Class tion A (°C)	G (°C)
QT	>1.70 >1.73	58.6	634.2	190	-31	-64	210	35	-67
KTR	>1.75 >1.79	53.8	550.5	600	-75	105	700	-94	-136
MACS	1.51 1.41	56.7	580.2	660	67	- 88	700	-74	-103
* Tested ** BS 57		1	<u></u>		1			<u> </u>	

عمضخ

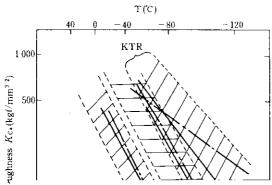
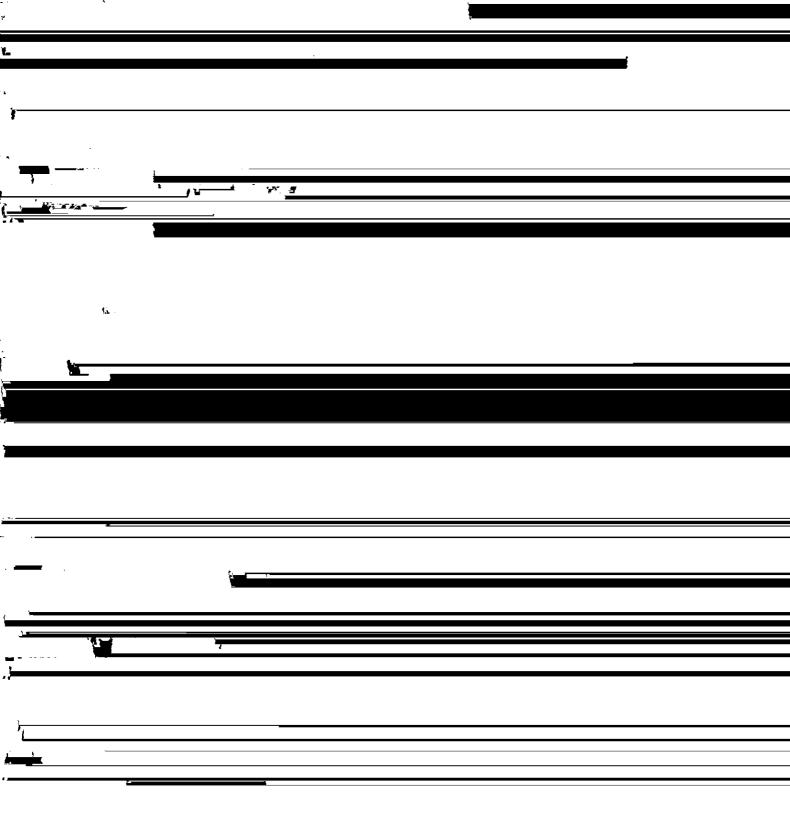


Table 5 The value of m and C obtained in fatigue crack propagation tests

C. 1	Material constants			
Steel	m	С		
QT	3.20	5.71×10 ⁻¹¹		
KTR	3.06	1.04×10 ⁻¹⁰		
MACS	3.36	3.35×10 ⁻¹¹		



fusion line of horizontal SAW joints of the QT steel. It is considered that the COD value δ and the strain eResults of these tests are shown in Table 8 As is annarhave the following relationship to the defect parameter ent from this table, the temperatures for A-grade were \bar{a} : −66°C or below; the results were equivalent to or better $\delta=3.5e\bar{a}$