KAWASAKI STEEL TECHNICAL REPORT No. 41 October 1999

Recent Activities in Research of Stainless Steels*

Synopsis:

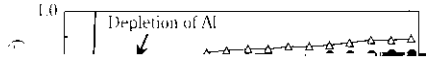
The demand and requirements for advanced properties of stainless steels for automotive exhaust systems, buildings, and electrical products are increasing. High

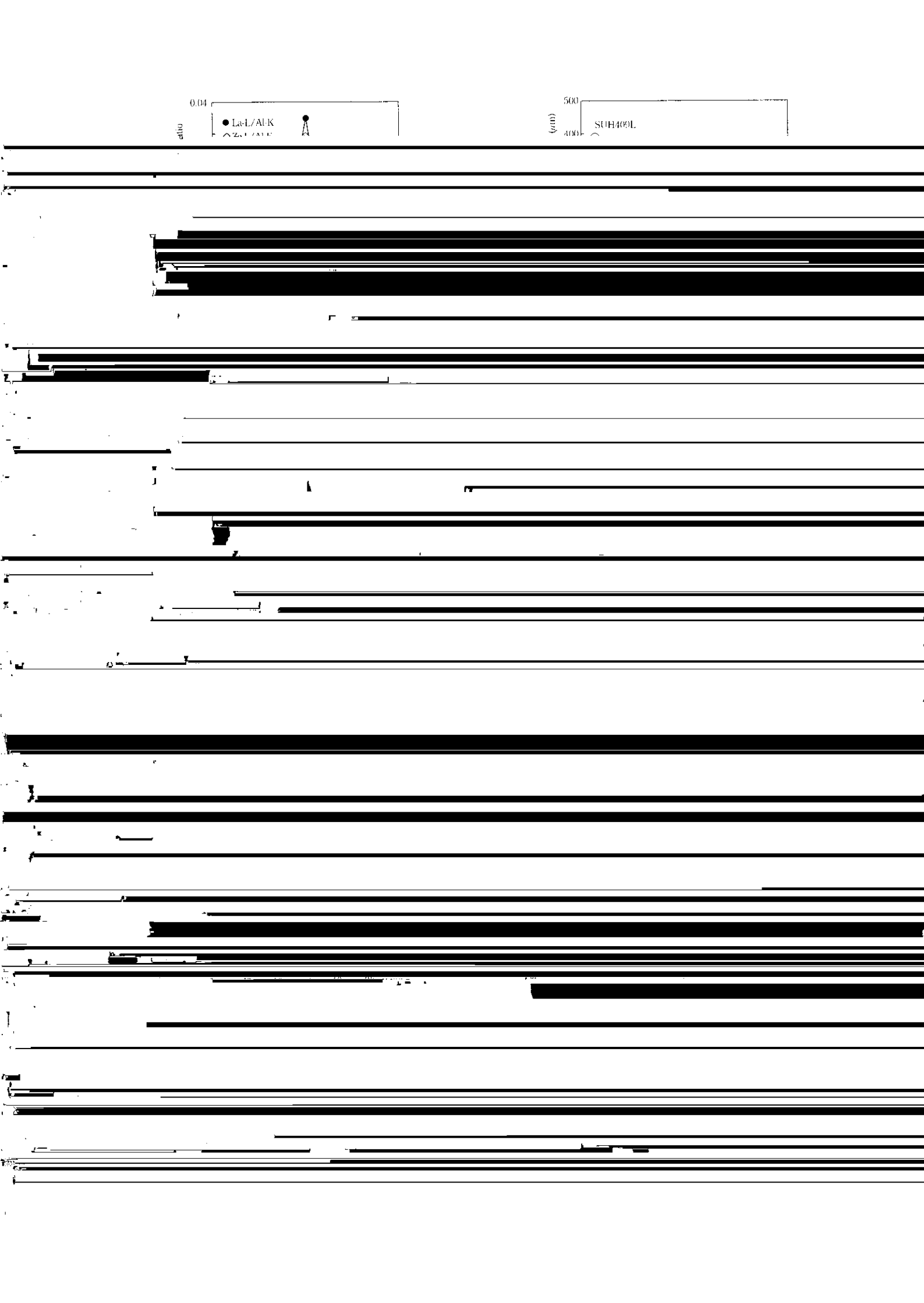
Table 1 Chemical compositions of stainless steels for automotive exhaust system

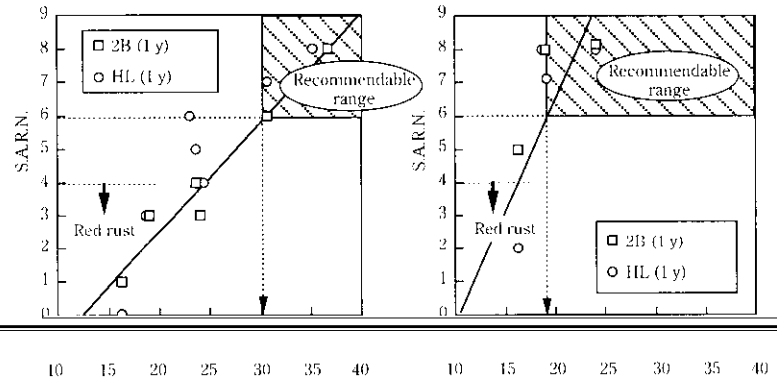
(mass%)

Steels	C	Si	Mn	Cr	Mo	Ti	Nb	Others
R436LT	0.01	0.1	0.2	17.8	1.2	0.3	—	
R432LTM	0.01	0.1	0.2	17.5	0.5	0.3	—	
SUH409L	0.01	0.3	0.3	11.2	—	0.3	—	
SUS436J1L	0.01	0.3	0.3	17.5	0.5	—	0.38	
SUS430J1L	0.01	0.5	0.2	19.3	—	—	0.45	Cu/0.5
R434LN2	0.005	0.3	0.2	19.0	1.9	—	0.25	

material for exhaust manifolds; R20-5USR, which pos-




0.04
La-L/Al-K
500
400
SUH409L



(a) Okinawa (Subtropics) (b) Iguaeno (Inland)

ing properties, were developed.

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