



JSW Steel (USA) INC.
5200, East McKinney Road,
BAYTOWN, TX 77520

METALLURGICAL TEST REPORT

MET - 05

10/14/2016

Bulletin	Order Item	Heat	PO No.	Shipping Mode	Order Dimensions	Slab Origin	TC No.
T007394	JSW06935-02	S22693	278852	TRUCK	0.4375x115x363	INDIA	T007394-2693-1
Special Instructions							
Plates Certified for the Following grades				Specifications		Marking Instructions	
ASTM-A36 AR				Hot Rolled Carbon Steel Plates Plates Manufactured In the USA		Stencil in 1 location(s); X Loc. 18 Y Loc. 30; CUST; MADEINUSA PN PO; DIM GRADE; FREIGHT ORDER ITEM PLATE ID SHIPWEEK SLAB ID TRANSMODE	
Sold To: NORTH SHORE STEEL 1566 MILES STREET HOUSTON, TX 77015							
Ship To: NORTH SHORE STEEL - BURN SHOP 13935 INDUSTRIAL RD. HOUSTON, TX 77015							

Test	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	N	V	B	Ti	Nb	Ca	CE
LADLE	0.10	0.88	0.011	0.010	0.16	0.005	0.009	0.011	0.001	0.000	0.043	0.0057	0.001	0.0002	0.001	0.001	0.0003	0.25

Carbon Equivalent CE = C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15
PCM = C + Si/30 + Mn/20 + Cu/20 + Ni/60 + Cr/20 + Mo/15 + V/10 + 5B

Plate Tested	Slab Identity	Gauge Tested	Test Cond	Test Dir.	Yield Point	Tensile Stgth.	Elong in 2"	YS/UTS Ratio	Yield Strenght Determind At
1019466	01A	0.4375	AR	T	45	65	39.0%	0.69	0.2%
1019467	01B	0.4375	AR	T	44	63	39.0%	0.70	0.2%

Plates Certified For The Above Tests

Material	Thick(IN)	Width(IN)	Len(IN)	Wgt(LB)	Material	Thick(IN)	Width(IN)	Len(IN)	Wgt(LB)	Material	Thick(IN)	Width(IN)	Len(IN)	Wgt(LB)
1019469B	0.4375	115.000	363.00	5180	1019470A	0.4375	115.000	363.00	5180	1019470B	0.4375	115.000	363.00	5180
1019471A	0.4375	115.000	363.00	5180	1019471B	0.4375	115.000	363.00	5180					

DIN: EN 10204 2004 3.1 This is to certify that the product described herein was manufactured, sampled, and tested in accordance with the specifications and requirements in such specifications. Fine Grain, Si-Al Fully Killed Steel. We certify that delivery of this product with the requirement of the specification and purchase order received from customer.

Sandra Flores

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