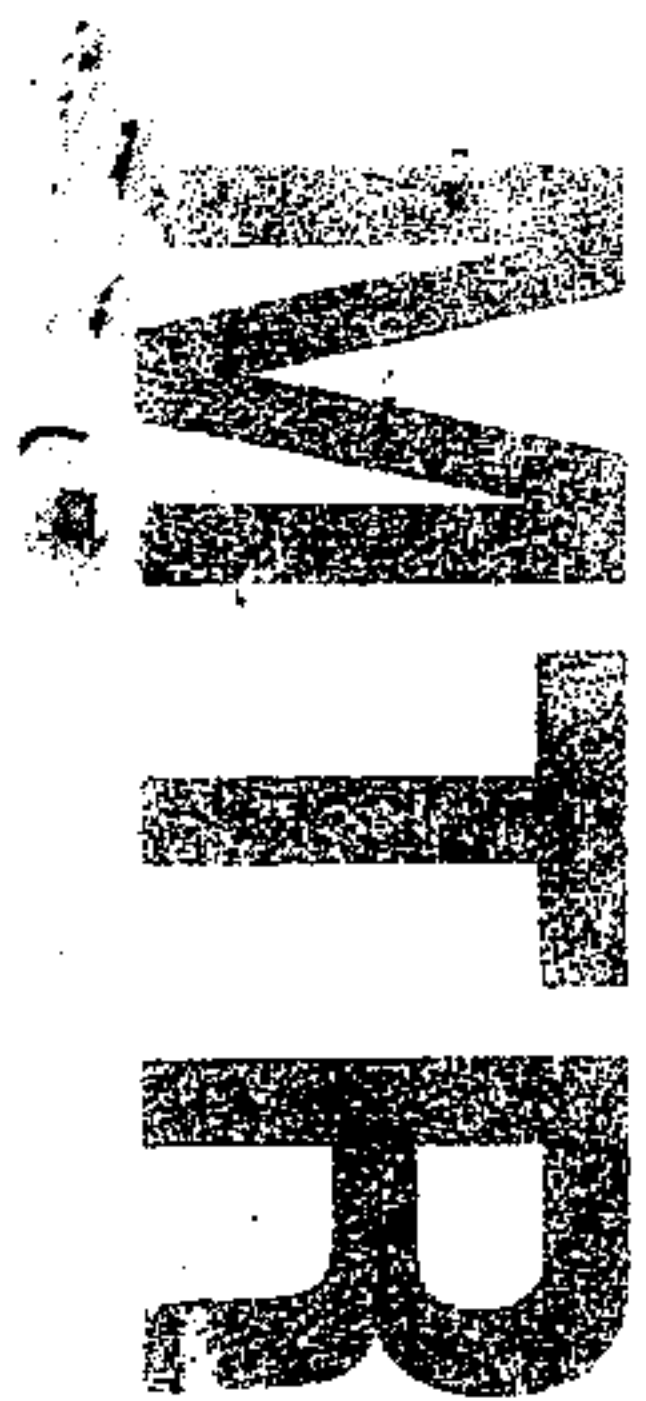


MACHINE SPECIALTY & MANUFACTURING

W/O # : 17350
 Date : 03/13/09
 P.O. # : 2108614



*** MATERIAL TEST REPORT ***

BILL TO:

SHIP TO:

ITEMS

ITM	QTY	DESCRIPTION	STARTING MATERIAL
1	4	5 XXH LR 45	ASTM/ASME 2003 A234/SA234 WPB

CHEMICAL PROPERTIES

ITM	HT. CODE	C	MN	P	S	SI	CR	MO	NI	CU	V	CB	CE
1	HJ510	.21	.55	.009	.008	.22	.07	.01	.05	.15	.001	.001	.33

PHYSICAL PROPERTIES

ITM	YIELD STRENGTH	TENSILE STRENGTH	ELONG. % IN 2"	RED. AREA	HARDNESS	CHARPY TEST	LAT. EXPAN.	SHEAR FRAC.	TEST TEMP
1	44,236	70,343	31.5		153				

NOTES

1 HOT FORMED WITH FINAL TEMP. BETWEEN 1148-1796F
 NACE MRO 175-2003

PO # 2108614
 ITEM # 1
 QUANTITY

AB

we hereby certify that all test results & process information contained herein are correct and true as contained in the records of the company.