

227P163.

DL FLANGE CANADA
6006-87 A ST
EDMONTON, AB

CUSTOMER P.O. No.
DL SALES ORDER:
DATE:

2012-550
4654
6-Apr-15

TO: M2M MACHINING
4216-64 AVE S E
BAY 15
CALAGARY, AB

ITEM No.	MTR CODE	QTY	ITEM No.	DESCRIPTION	HEAT TREATMENT	SPECIFICATION & DATE	COMMENTS
1	227P163	1	FLDL903581	5" OD X 24" BAR A694-F70	QUENCHED TEMPERED	F70	QUENCHED 1650°F TEMPERED 1100°F

CHECK ANALYSIS

ITEM No.	MTR CODE	LADLE CHECK	C	Mn	P	S	Si	Cr	Mo	Cu	Ni	Cb	V	N	B	Ti	O	Al	ON EQUI
1	227P163	HEAT ANALYSIS	0.16	1.24	0.011	0.006	0.22	0.1	0.03	0.27	0.11		0.08	0.02					43
2		CHECK ANALYSIS																	

MECHANICAL PROPERTIES

ITEM No.	MTR CODE	TENSILE	YIELD	% ELONG	% R. A.	HB	***** IMPACT TESTS *****				
							SPECIMEN SIZE	TEMP. °F/°C	FOOT POUNDS/JOULE	% SHEAR	LATERAL EXP.
1	227P163	91,200	80,200	27.8	70.8	174-187		-50	162/152/152		

NOTES:

1. MATERIAL IN ACCORDANCE WITH NACE MR.01.75+ EN10204 3.1

WE HEREBY CERTIFY THAT THE MATERIALS REFERENCED ABOVE ARE IN FULL COMPLIANCE WITH THE SPECIFICATIONS, DIN 50049 / EN 10204 "3.1 B".

A. Kaelin

QUALITY ASSURANCE DEPARTMENT 4/6/2015