

SUMMARY OF ALUMINUM BARREL DEVELOPMENT

<u>Number</u>	<u>Material</u>		<u>Process</u>		<u>Bore Treatment</u>	<u>Accuracy</u>	<u>Test Rounds</u>
	<u>Aluminum</u>	<u>Steel</u>	<u>Type</u>	<u>Rifling</u>			
1	7075-T6	--	Drilled	Plug	None	Poor	5,000
2	6061-T6	--	Drilled	Plug	None	Poor	--
3	7075-T6	--	Drilled	Cut	None	O.K.	2,000
4	7075-T6	--	Drilled	Cut	Hard-Cote	O.K.	7,000
5	7075-T6	--	Drilled	Cut	Chrome Plate	--	2,000
6	7075-T6	--	Drilled	Cut	Kanigan	--	Unsuitable
7	7075-T6	304M	Swaged	--	--	--	Unsuitable
8	6061-T4	304M	Swaged	--	--	--	Unsuitable
9	6061-T4	B1112	Swaged	Cut	--	O.K.	15,000
10	6061-T4	B1112	Swaged	Cut	--	O.K.	15,000
<u>BY R&D</u>							
X	7075-T6	304M	Drilled	Plug	--	O.K.	2,000
<u>PROPOSED</u>							
--	6061-T4	C1118	Swaged	Plug	--	--	--

LEHuffman:B
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