DEPARTMENT OF THE AIR FORCE

WRIGHT LABORATORY (AFMC)
WRIGHT-PATTERSON AIR FORCE BASE OHIO

U.S. AIR FORCE
1947 - 1997

MEMORANDUM FOR SEE DISTRIBUTION

FROM: WL/MTPD
Building 22B
2700 D Street, Suite 2
Wright-Patterson AFB OH 45433-7405

SUBJECT: Lead Time Report: Third Quarter 1997 (3Q97)

1. The Lead Time Report for the Third Quarter 1997 is at Attachment 2. Our survey results are based on input from 12 aerospace companies.

2. If you have questions, please contact the undersigned at (937) 255-2456, ext 220 or DSN 785-2456, ext 220.

James A. Neely

JAMES NEELY, Program Manager
Defense Priorities and Diminishing Sources Programs
Defense Production Act Branch
Manufacturing Technology Directorate

Attachments:
1. 3Q97 Lead Time Report

WL/MTPD
(TITLE I PROGRAM)
BLDG 22B
2700 D ST STE 2
WRIGHT-PATTERSON AIR FORCE BASE
OHIO 45433-7405

AERONAUTICAL MATERIAL LEAD TIME SURVEY
THIRD QUARTER 97

GLOSSARY OF ABBREVIATIONS

QUARTER DESIGNATIONS: Quarters are designated by a four-digit number, such as 9501. The first two digits denote the calendar year, e.g. 95 for 1995, and the last two digits denote the quarter, e.g. 01 for the first quarter of 1995 in this example.

MIN: The minimum lead time reported, in weeks. It is the lowest of the low lead times reported by the data providers.

MAX: The maximum lead time reported, in weeks. It is the highest of the high lead times reported by the data providers.

TYP: The typical lead time reported, in weeks. It is an arithmetic average of the typical lead time data reported by the data providers. (For a given company, the typical lead time is the reported average or normal lead time if this datum is provided; otherwise, it is the arithmetic average of their low and high lead time.)

NO: Number of companies providing data on the critical item.

NOLO: No minimum (low) lead time data available.

NOHI: No maximum (high) lead time data available.

NOTP: No typical lead time data available.

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS LOW	WEEKS HIGH	WEEKS TYP	# OF COMPANIES
1	MATERIALS				
1.1	**ALUMINUM**				
1.1.1	FORGINGS:				
	PLAN AREA (SQ. IN.)				
1.1.1.1	000-200	6	54	29	8
1.1.1.2	201-800	6	75	30	8
1.1.1.3	801-UP	8	90	32	8
1.1.2	CASTINGS:				
1.1.2.1	SAND				
1.1.2.1.1	SIMPLE	4	66	21	8
1.1.2.1.2	COMPLEX	6	78	26	8
1.1.2.2	PERMANENT MOLD	8	66	23	6
1.1.2.3	DIE	6	71	19	6
1.1.2.4	INVESTMENT	10	71	28	8
1.1.2.5	SHELLMOLD	10	66	26	3
1.1.3	EXTRUSIONS:				
	CIRCLE SIZE (DIA. IN.)				
1.1.3.1	0-5	3	72	43	7
1.1.3.2	5-110	3	72	38	8
1.1.3.3	10-UP	3	72	40	7
1.1.4	BAR:	2	40	14	9
1.1.5	ROD:	2	40	14	9
1.1.6	SHEET:	1	52	20	9
1.1.7	PLATE:	1	48	22	9
1.1.8	TUBING:	1	50	19	10
1.2	**COMPOSITES**				
1.2.1	PREPREG:				
1.2.1.1	ARAMID	6	52	17	8
1.2.1.2	CARBON	6	52	19	7
1.2.2	STRUCTURES:				
1.2.2.1	ARAMID	4	47	21	6
1.2.2.2	CARBON	4	47	21	6

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS LOW	WEEKS HIGH	WEEKS TYP	# OF COMPANIES
1.3	**MAGNESIUM**				
1.3.1	EXTRUSIONS:				
	CIRCLE SIZE (DIA. IN.)				
1.3.1.1	0-5	18	50	33	2
1.3.1.2	5-110	18	50	33	2
1.3.1.3	10-UP	18	50	33	2
1.3.2	BAR:	8	34	20	3
1.3.3	SHEET:	8	34	20	3
1.3.4	PLATE:	8	34	20	3
1.4	**STEEL (ALLOY)**				
1.4.1	FORGINGS:				
	PLAN AREA (SQ. IN.)				
1.4.1.1	000-200	12	60	30	7
1.4.1.2	201-800	10	60	32	7
1.4.1.3	801-UP	12	80	34	7
1.4.2	CASTINGS:				
1.4.2.1	SAND				
1.4.2.1.1	SIMPLE	9	52	19	5
1.4.2.1.2	COMPLEX	12	60	23	4
1.4.2.2	PERMANENT MOLD	8	66	21	4
1.4.2.3	DIE	6	66	17	5
1.4.2.4	INVESTMENT	10	71	22	8
1.4.2.5	SHELLMOLD	8	66	20	4
1.4.3	EXTRUSIONS:				
	CIRCLE SIZE (DIA. IN.)				
1.4.3.1	0-5	3	42	25	5
1.4.3.2	5-110	3	42	25	5
1.4.3.3	10-UP	8	42	25	4
1.4.4	BAR:	2	49	14	8
1.4.5	ROD:	2	49	14	8
1.4.6	SHEET:	1	40	17	8
1.4.7	PLATE:	1	40	18	8
1.4.8	TUBING:	1	52	20	10

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS			# OF
		LOW	HIGH	TYP	COMPANIES
1.5	**STEEL - NICKEL BASED ALLOYS (FOR ENGINES)**				
1.5.1	INCONEL:				
1.5.1.1	BILLET	24	50	36	1
1.5.1.2	INGOT	16	42	30	1
1.5.2	L-605:				
1.5.2.1	BILLET	26	40	32	1
1.5.2.2	INGOT	22	32	26	1
1.5.3	MAR-M247:				
1.5.3.1	BILLET	28	42	36	1
1.5.3.2	INGOT	24	38	32	1
1.5.4	RENE:				
1.5.4.1	BILLET	20	35	30	1
1.5.4.2	INGOT	15	30	25	1
1.5.5	HASTELLOY:				
1.5.5.1	WIRE	20	44	40	1
1.5.6	WASPALLOY:				
1.5.6.1	WIRE	8	44	28	3
1.6	**STEEL (STAINLESS)**				
1.6.1	BAR:	1	22	14	5
1.6.2	SHEET:	1	32	15	5
1.6.3	PLATE:	1	32	15	5
1.6.4	TUBING:	1	42	19	6

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS LOW	WEEKS HIGH	WEEKS TYP	# OF COMPANIES
1.7	**TITANIUM**				
1.7.1	FORGINGS:				
	PLAN AREA (SQ IN)				
1.7.1.1	000-100	2	70	42	8
1.7.1.2	101-400	2	75	46	8
1.7.1.3	401-UP	2	90	47	8
1.7.2	CASTINGS:				
1.7.2.1	SAND				
1.7.2.1.1	SIMPLE	10	52	34	4
1.7.2.1.2	COMPLEX	12	65	30	3
1.7.2.2	PERMANENT MOLD	14	60	30	3
1.7.2.3	DIE	10	80	39	3
1.7.2.4	INVESTMENT	14	80	29	7
1.7.2.5	SHELLMOLD	10	52	33	4
1.7.3	EXTRUSIONS:				
	CIRCLE SIZE (DIA. IN.)				
1.7.3.1	0-5	6	75	46	6
1.7.3.2	5-110	6	75	46	6
1.7.3.3	10-UP	20	75	52	5
1.7.4	BAR:	2	70	35	7
1.7.5	ROD:	2	60	29	6
1.7.6	SHEET:	2	82	44	7
1.7.7	PLATE:	2	82	44	7
1.7.8	TUBING:	2	70	30	8

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS LOW	WEEKS HIGH	WEEKS TYP	# OF COMPANIES
2	PARTS GENERAL				
2.1	**BEARINGS**				
2.1.1	AIRCRAFT WHEEL:	10	54	34	3
2.1.2	HIGH SPEED ACCESSORY:	10	55	38	4
2.1.3	WING PIVOT:	10	56	28	4
2.1.4	AIRFRAME - ROD END:				
2.1.4.1	BALL	1	78	32	4
2.1.4.2	ROLLER	8	52	28	4
2.1.5	MAIN SHAFT JET ENGINE:	10	65	37	3
2.1.6	SPECIAL:	10	100	34	6
2.2	**ELECTRICAL**				
2.2.1	BATTERIES:				
2.2.1.1	NICKEL CADMIUM (NiCd)	1	30	9	5
2.2.1.2	NICKEL HYDROGEN (NiH2)	1	28	9	3
2.2.2	CAPACITORS:				
2.2.2.1	CHIP	1	45	14	6
2.2.2.2	ELECTROLYTIC	1	46	13	4
2.2.2.3	OIL FILLED	1	38	13	4
2.2.2.4	OTHER	1	44	14	6
2.2.3	CONNECTORS:				
2.2.3.1	STANDARD	1	58	19	7
2.2.3.2	OTHER	1	58	24	7
2.2.4	INTEGRATED CIRCUITS:				
2.2.4.1	CUSTOM	1	104	19	5
2.2.4.2	HARDENED	1	56	20	4
2.2.4.3	MICRO-PROCESSOR	1	56	17	5
2.2.4.4	RAM	1	56	16	5
2.2.4.5	ROM	1	56	16	4
2.2.4.6	PROM	1	56	16	4
2.2.4.7	EPROM	1	56	16	5
2.2.4.8	STANDARD	1	25	13	5
2.2.5	PRINTED WIRE BOARDS:				
2.2.5.1	SINGLE SIDE	1	43	12	5
2.2.5.2	MULTI-LAYER	1	44	13	5
2.2.5.3	FLEX CIRCUIT	1	43	12	5
2.2.5.4	RIGID FLEX	1	52	12	4
2.2.6	TWTs (Traveling Wave Tubes)	8	42	26	3
2.2.7	RESISTORS:				
2.2.7.1	AUDIO	1	30	12	6
2.2.7.2	CARBON	1	30	12	7
2.2.7.3	FILM	1	26	12	7
2.2.7.4	HF	1	38	13	6
2.2.7.5	POWER	1	30	13	7
2.2.7.6	WIRE	1	30	12	7
2.2.8	TRANSISTORS:				

AERONAUTICAL MATERIAL LEAD TIMES

		WEEKS			# OF
		LOW	HIGH	TYP	COMPANIES
2.2.8.1	POWER	1	48	18	7
2.2.8.2	SWITCHING	1	48	18	7
2.2.8.3	FET (GaAs SUBSTRATE)	1	68	20	4
2.3	**FASTENERS**				
2.3.1	RIVETS:				
2.3.1.1	2219 ALUMINUM ALLOY				
2.3.1.1.1	SOLID	1	42	14	7
2.3.1.1.2	BLIND	2	42	15	7
2.3.1.2	7050 ALUMINUM ALLOY				
2.3.1.2.1	SOLID	2	42	13	7
2.3.1.2.2	BLIND	2	42	15	7
2.3.1.2.3	STD. HEAD	2	42	13	7
2.3.1.2.4	MS 14218 FLUSH-120 DEG. HEAD	2	42	13	7
2.3.2	BOLTS:				
2.3.2.1	A 286 SS				
2.3.2.1.1	SPLINE DRIVE	2	56	24	8
2.3.2.1.2	TORX SET RECESS	2	56	24	8
2.3.2.1.3	SLEEVE	2	46	24	8
2.3.2.2	PH13-8 SS				
2.3.2.2.1	SPLINE DRIVE	2	56	27	6
2.3.2.2.2	TORX SET RECESS	2	56	27	6
2.3.2.2.3	SLEEVE	2	46	24	7
2.3.2.3.	TI (6-4 ALLOY)				
2.3.2.3.1	SPLINE DRIVE	2	56	28	6
2.3.2.3.2	TORX SET RECESS	2	56	28	6
2.3.2.3.3	SLEEVE	3	46	28	6

QUARTERLY TRENDS
OF
FIVE LONGEST LEAD TIMES
AND
FIVE GREATEST CHANGES IN LEAD TIMES
THIRD QUARTER '97

An additional category has been added to the charts. The combined category shows the longest lead time and the greatest change in lead time overall. This allows comparison overall as well as within each category.

LEAD TIME CHART DATA

DATE: 5/20/98
FILE NAME: CHRT2.XLS

ELECTRICAL

TITLES: LONGEST LEAD TIME		QUARTER 9603	9604	9701	9702	9703	AVERAGE
TRAVELLING WAVE TUBES (TWT)	E01	19.0	22.0	22.0	23.0	26.0	22.4
ELECTRICAL CONNECTORS, OTHERS	E02	21.0	21.0	21.0	24.0	24.0	22.2
TRANSISTORS, FET (GaAs SUBSTRATE)	E03	20.0	22.0	23.0	19.0	20.0	20.8
INTEGRATED CIRCUITS, HARDENED	E04	15.0	17.0	17.0	17.0	20.0	17.2
INTEGRATED CIRCUITS, CUSTOM	E05	18.0	19.0	19.0	18.0	19.0	18.6
GREATEST CHANGE IN LEAD TIME		**9603**	**9604**	**9701**	**9702**	**9703**	**AVERAGE**
TRAVELLING WAVE TUBES (TWT)	E06	19.0	22.0	22.0	23.0	26.0	22.4
RESISTORS, POWER	E07	19.0	16.0	18.0	15.0	13.0	16.2
RESISTORS, HF	E08	18.0	16.0	18.0	15.0	13.0	16.0
RESISTORS, AUDIO	E09	17.0	17.0	18.0	14.0	12.0	15.6
INTEGRATED CIRCUITS, HARDENED	E10	15.0	17.0	17.0	17.0	20.0	17.2

MATERIAL

TITLES: LONGEST LEAD TIME		QUARTER 9603	9604	9701	9702	9703	AVERAGE
TITANIUM EXTRUSIONS, 10-UP DIA. IN.	M01	34.0	31.0	35.0	43.0	52.0	39.0
TITANIUM FORGINGS, 401- UP SQ. IN.	M02	45.0	42.0	43.0	41.0	47.0	43.6
TITANIUM EXTRUSIONS, 5-10 DIA. IN.	M03	31.0	29.0	32.0	39.0	46.0	35.4
TITANIUM EXTRUSIONS, 0-5 DIA. IN.	M04	31.0	26.0	32.0	39.0	46.0	34.8
TITANIUM FORGINGS, 101-400 SQ. IN.	M05	44.0	41.0	41.0	41.0	46.0	42.6
GREATEST CHANGE IN LEAD TIME		**9603**	**9604**	**9701**	**9702**	**9703**	**AVERAGE**
TITANIUM EXTRUSIONS, 10-UP DIA. IN.	M06	34.0	31.0	35.0	43.0	52.0	39.0
STEEL (NI-BASED) INCONEL BILLET	M07	18.0	18.0	21.0	24.0	36.0	23.4
TITANIUM EXTRUSIONS, 5-10 DIA. IN.	M08	31.0	29.0	32.0	39.0	46.0	35.4
TITANIUM EXTRUSIONS, 0-5 DIA. IN.	M09	31.0	26.0	32.0	39.0	46.0	34.8
STEEL (NI-BASED) HASTELLOY WIRE	M10	25.0	25.0	25.0	26.0	40.0	28.2

LEAD TIME CHART DATA

DATE: 5/20/98
FILE NAME: CHRT2.XLS

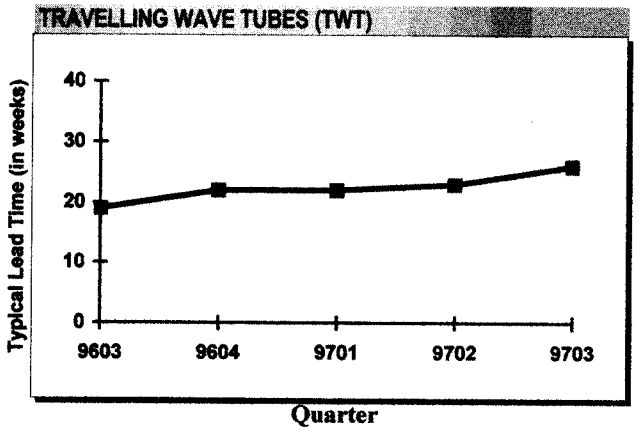
MECHANICAL

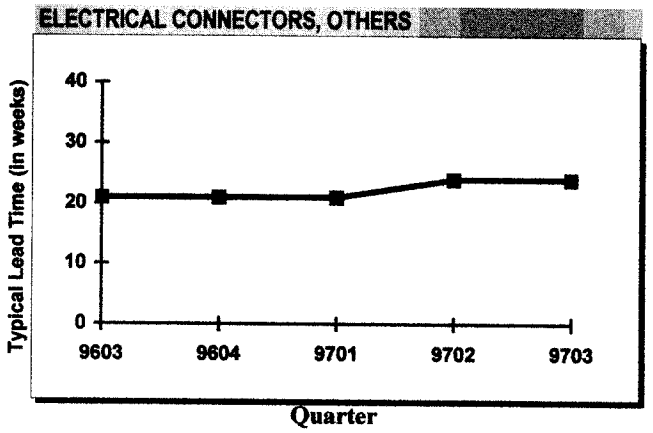
TITLES: LONGEST LEAD TIME		QUARTER 9603	9604	9701	9702	9703	AVERAGE
BEARINGS, HIGH SPEED ACCESSORY	N01	37.0	36.0	37.0	39.0	38.0	37.4
BEARINGS, MAIN SHAFT JET ENGINE	N02	37.0	35.0	37.0	40.0	37.0	37.2
BEARINGS, SPECIAL	N03	33.0	30.0	31.0	33.0	34.0	32.2
BEARINGS, AIRCRAFT WHEELS	N04	33.0	33.0	35.0	33.0	34.0	33.6
BEARINGS, AIRFRAME-ROD END, BALL	N05	33.0	31.0	33.0	36.0	32.0	33.0
GREATEST CHANGE IN LEAD TIME		**9603**	**9604**	**9701**	**9702**	**9703**	**AVERAGE**
FASTENERS, TI (6-4 ALLOY) BOLTS, SLEEVE	N06	21.0	20.0	22.0	25.0	28.0	23.2
FASTENERS, TI (6-4 ALLOY) BOLTS, TORX SET RECESS	N07	21.0	20.0	22.0	25.0	28.0	23.2
FASTENERS, TI (6-4 ALLOY) BOLTS, SPLINE DRIVE	N08	21.0	20.0	22.0	25.0	28.0	23.2
FASTENERS, PH13-8 SS BOLTS, TORX SET RECESS	N09	21.0	19.0	21.0	24.0	27.0	22.4
FASTENERS, PH13-8 SS BOLTS, SPLINE DRIVE	N10	21.0	19.0	21.0	24.0	27.0	22.4

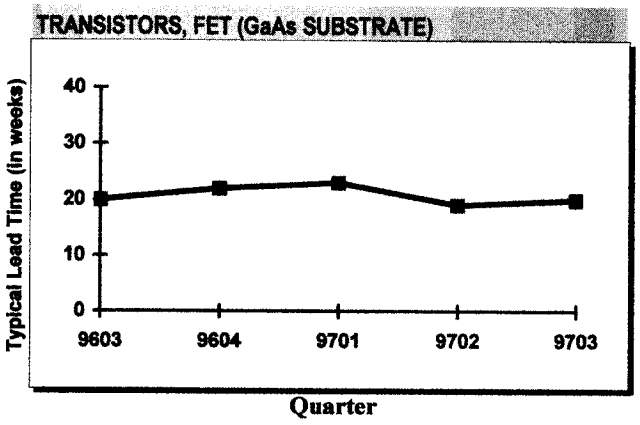
COMBINED

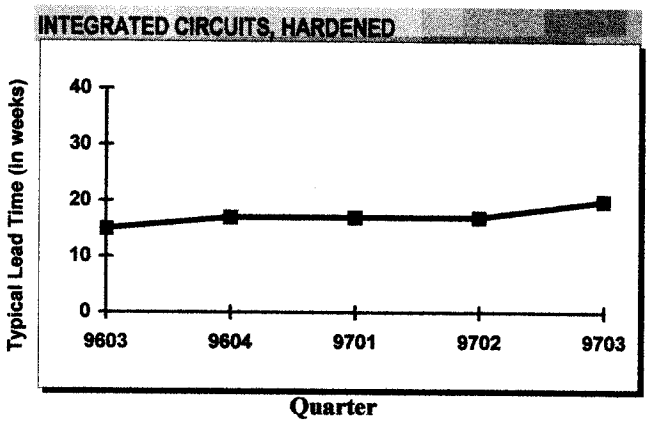
TITLES: LONGEST LEAD TIME		QUARTER 9603	9604	9701	9702	9703	AVERAGE
TITANIUM EXTRUSIONS, 10-UP DIA. IN.	C01	34.0	31.0	35.0	43.0	52.0	39.0
TITANIUM FORGINGS, 401- UP SQ. IN.	C02	45.0	42.0	43.0	41.0	47.0	43.6
TITANIUM EXTRUSIONS, 5-10 DIA. IN.	C03	31.0	29.0	32.0	39.0	46.0	35.4
TITANIUM EXTRUSIONS, 0-5 DIA. IN.	C04	31.0	26.0	32.0	39.0	46.0	34.8
TITANIUM FORGINGS, 101-400 SQ. IN.	C05	44.0	41.0	41.0	41.0	46.0	42.6
GREATEST CHANGE IN LEAD TIME		**9603**	**9604**	**9701**	**9702**	**9703**	**AVERAGE**
TITANIUM EXTRUSIONS, 10-UP DIA. IN.	C06	34.0	31.0	35.0	43.0	52.0	39.0
STEEL (NI-BASED) INCONEL BILLET	C07	18.0	18.0	21.0	24.0	36.0	23.4
TITANIUM EXTRUSIONS, 5-10 DIA. IN.	C08	31.0	29.0	32.0	39.0	46.0	35.4
TITANIUM EXTRUSIONS, 0-5 DIA. IN.	C09	31.0	26.0	32.0	39.0	46.0	34.8
STEEL (NI-BASED) HASTELLOY WIRE	C10	25.0	25.0	25.0	26.0	40.0	28.2

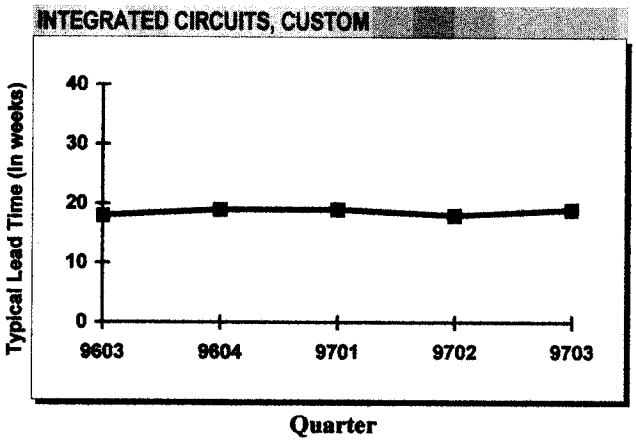
ELECTRICAL ITEMS WITH LONGEST LEAD TIME



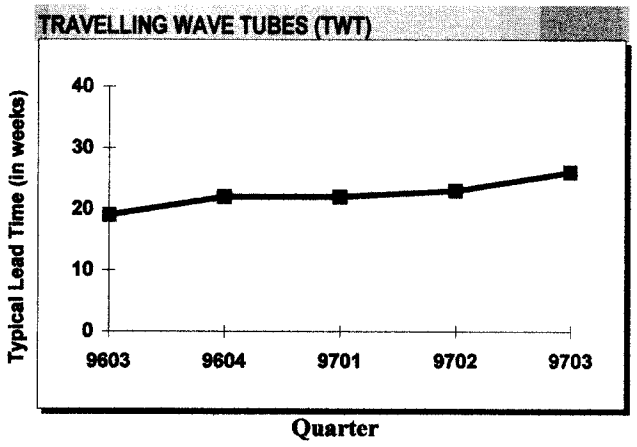


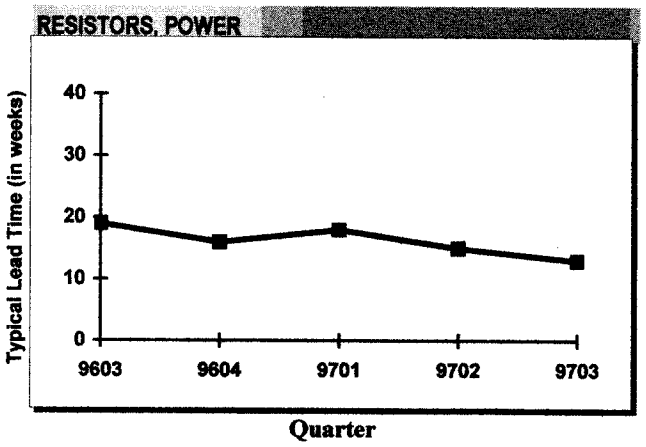


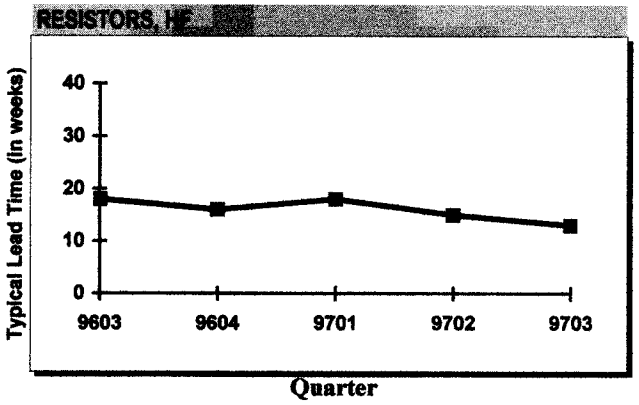


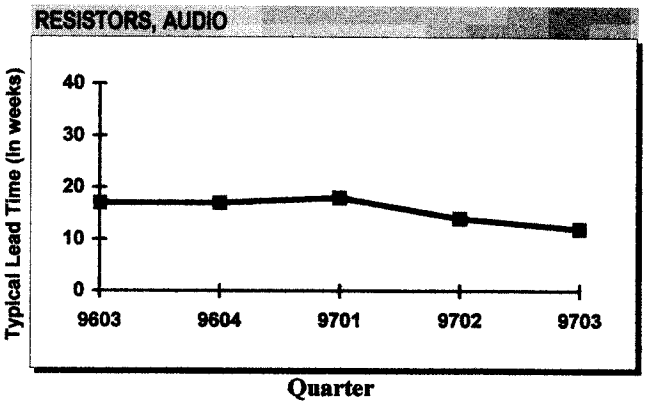


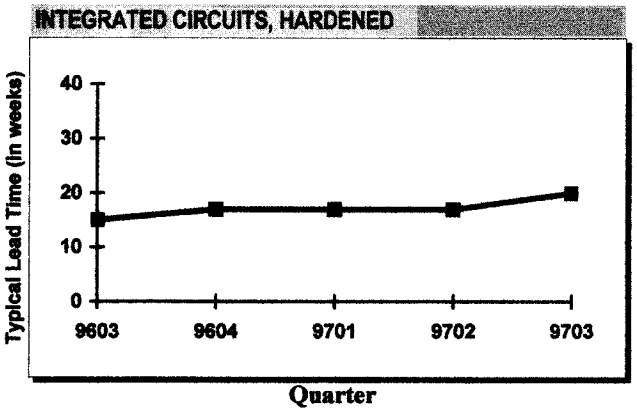
ELECTRICAL ITEMS WITH GREATEST CHANGE IN LEAD TIME



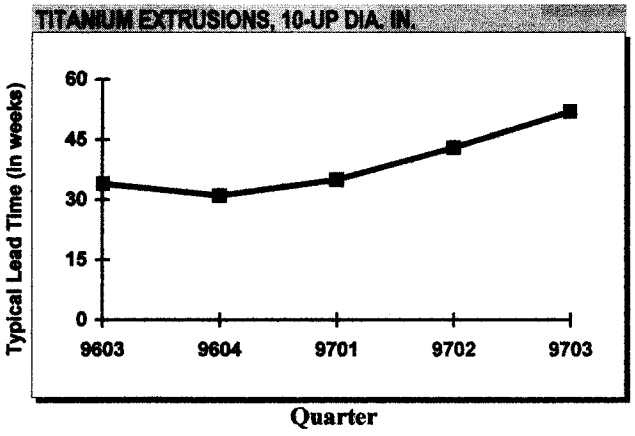


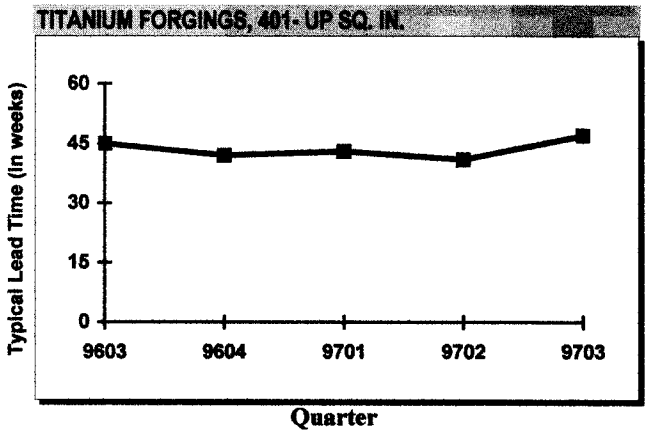


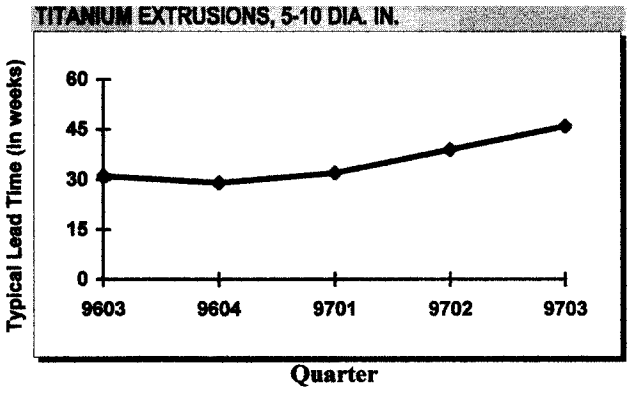


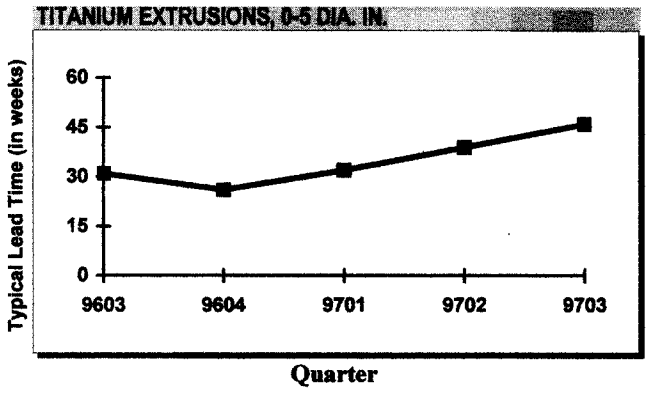


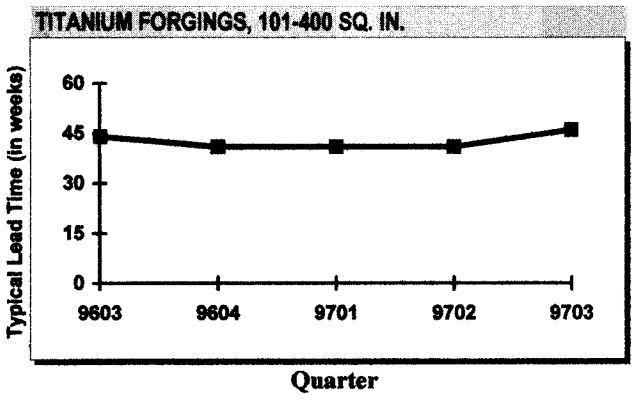
MATERIAL ITEMS WITH LONGEST LEAD TIME



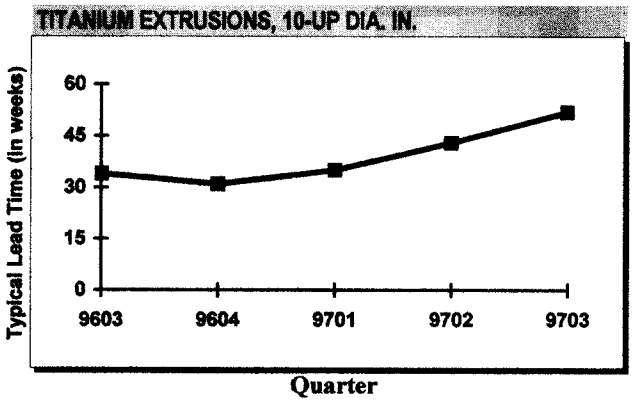


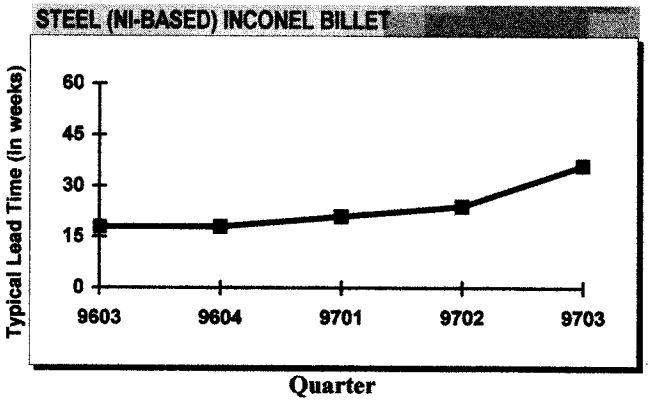


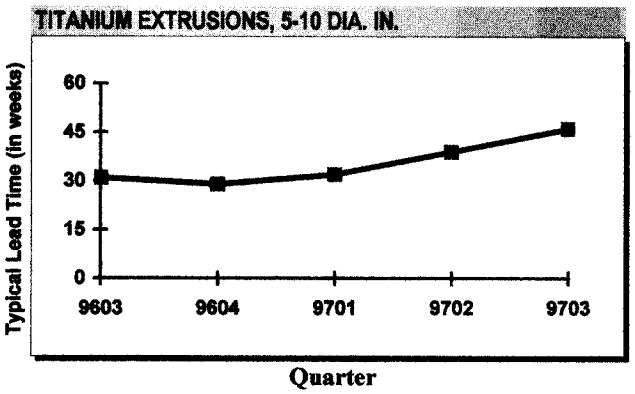


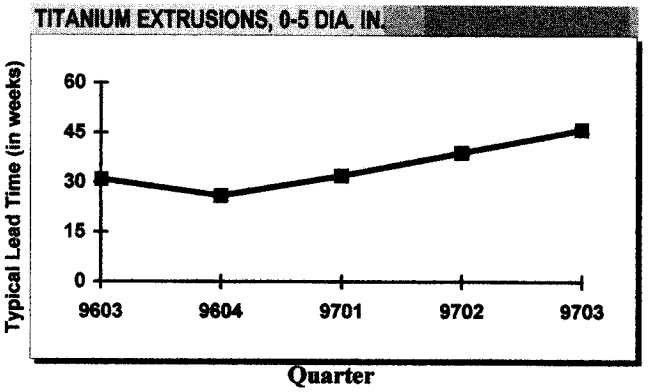


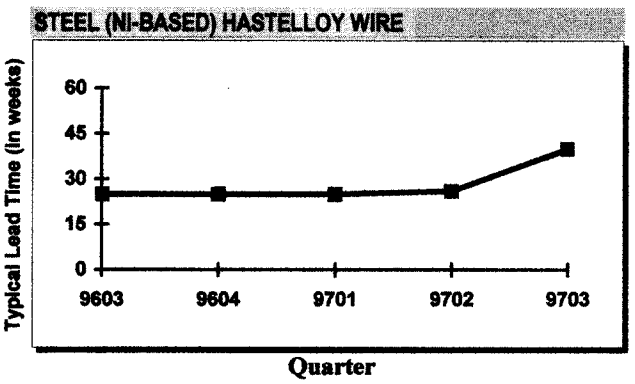
MATERIAL ITEMS WITH GREATEST CHANGE IN LEAD TIME



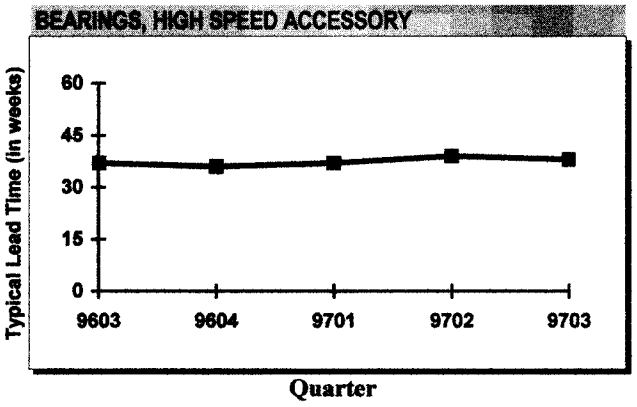


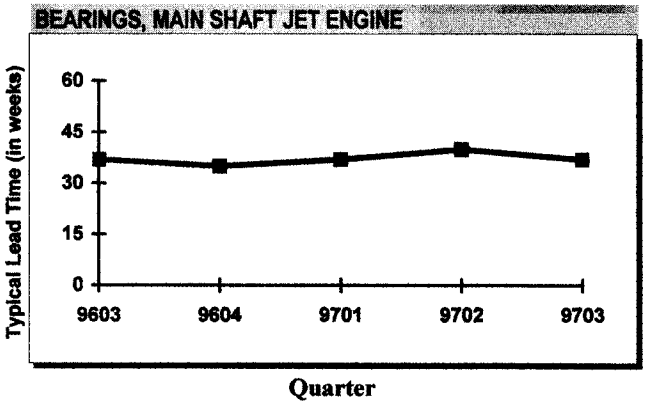


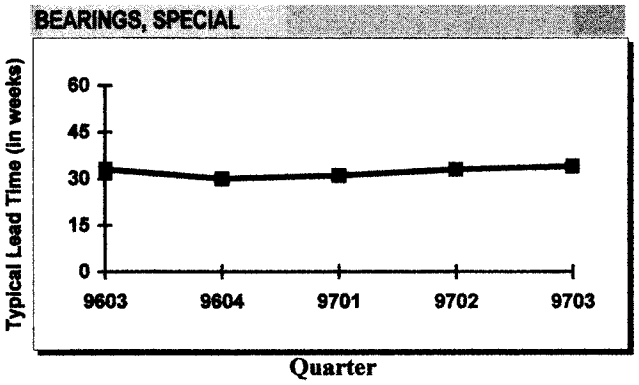


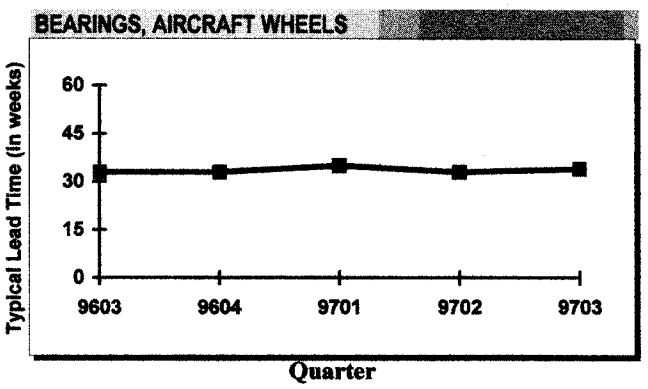


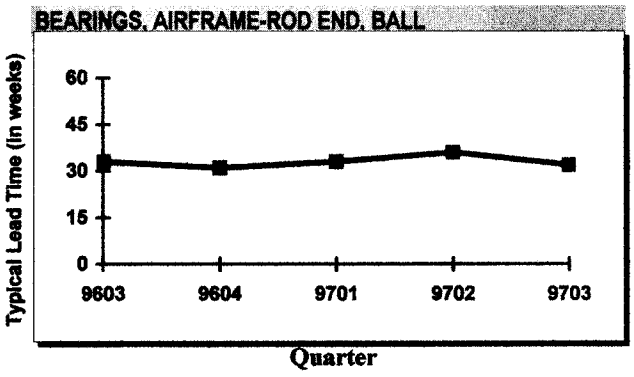
MECHANICAL ITEMS WITH LONGEST LEAD TIME





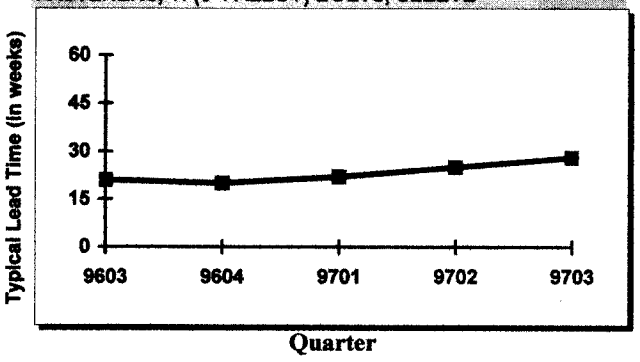




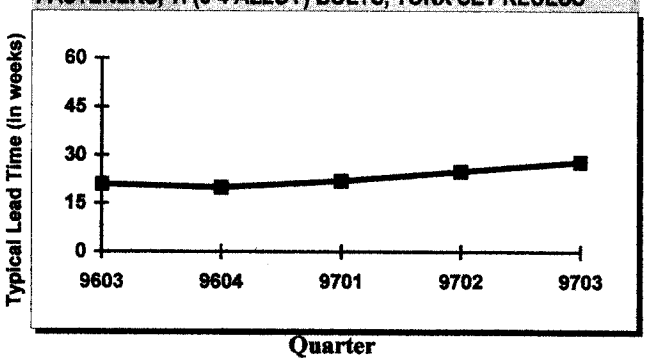


MECHANICAL ITEMS WITH GREATEST CHANGE IN LEAD TIME

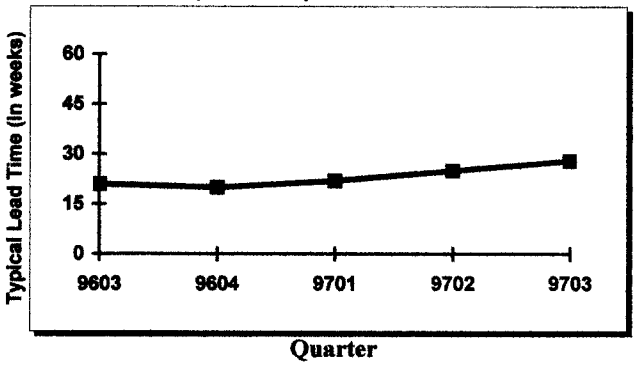
FASTENERS, TI (6-4 ALLOY) BOLTS, SLEEVE



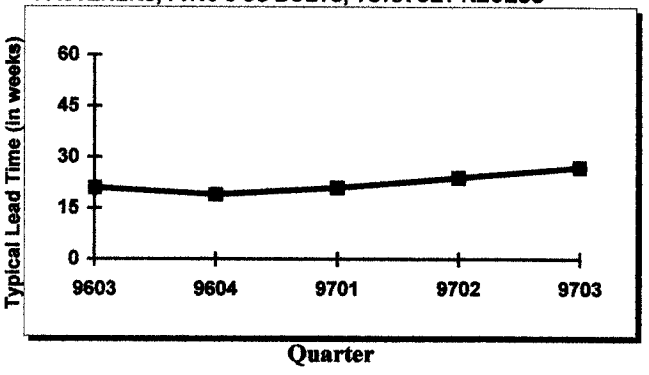
FASTENERS, TI (6-4 ALLOY) BOLTS, TORX SET RECESS



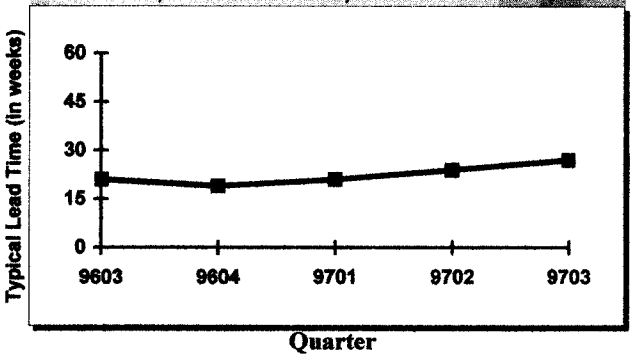
FASTENERS, TI (6-4 ALLOY) BOLTS, SPLINE DRIVE



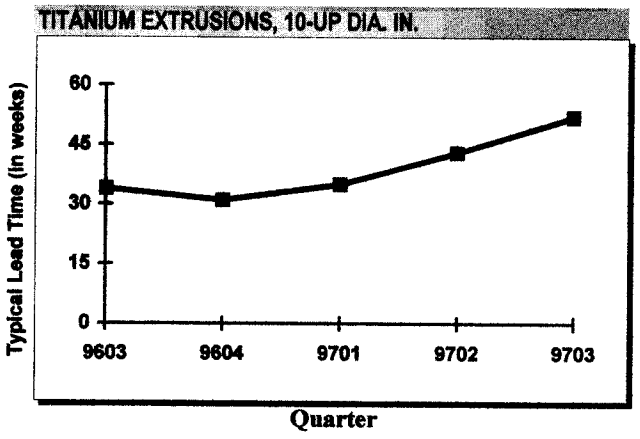
FASTENERS, PH13-8 SS BOLTS, TORX SET RECESS

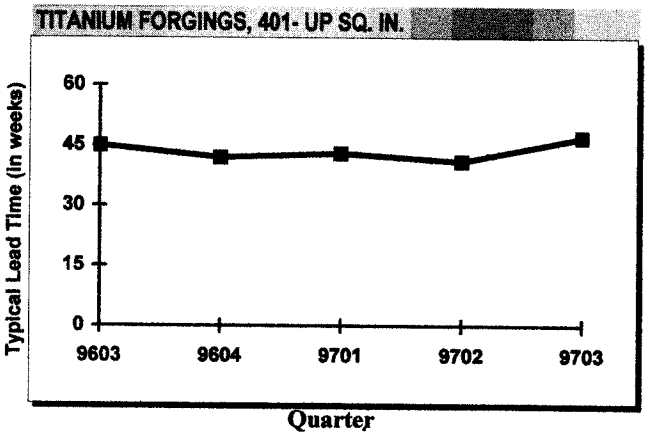


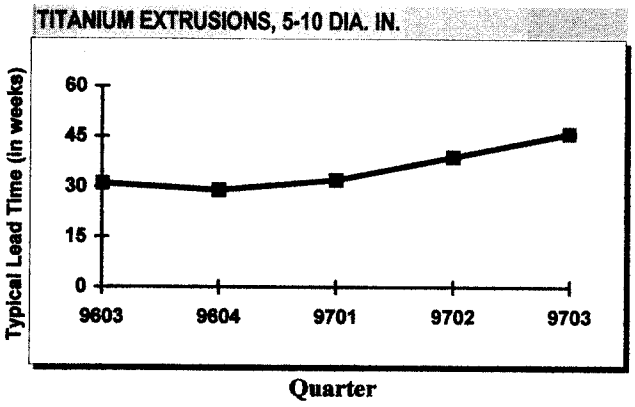
FASTENERS, PH13-8 SS BOLTS, SPLINE DRIVE

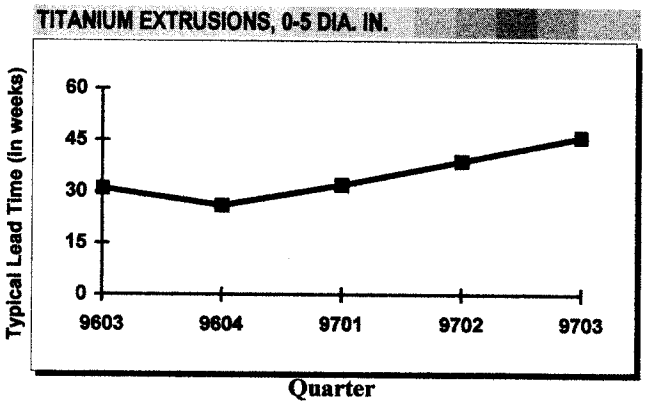


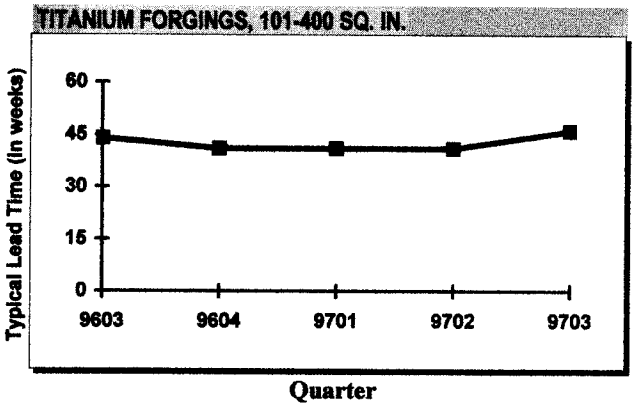
COMBINED ITEMS WITH LONGEST LEAD TIME



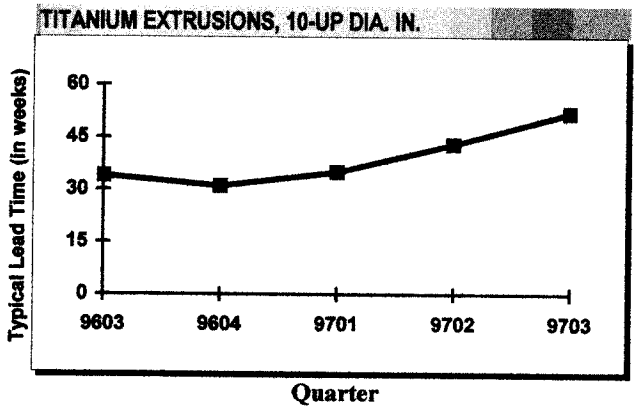


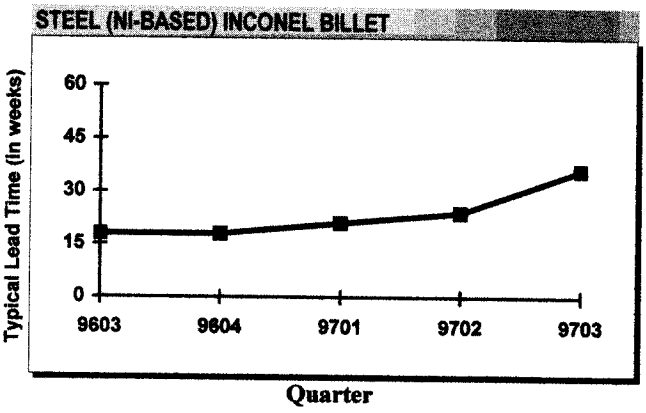


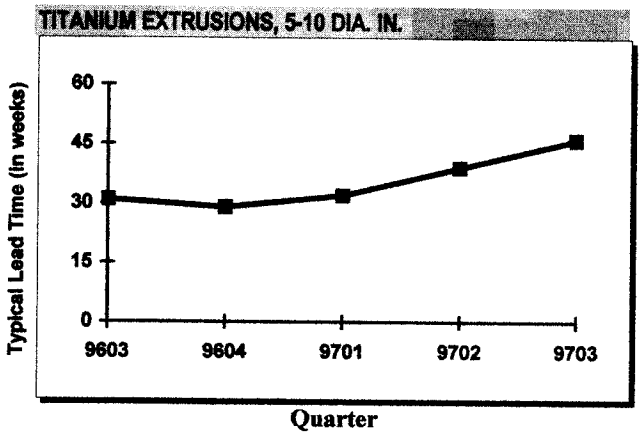


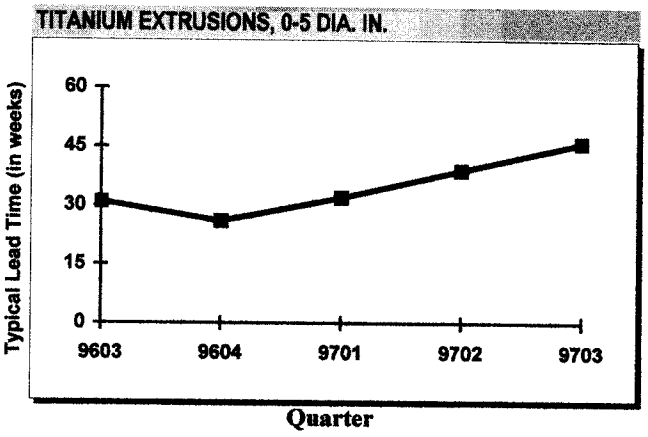


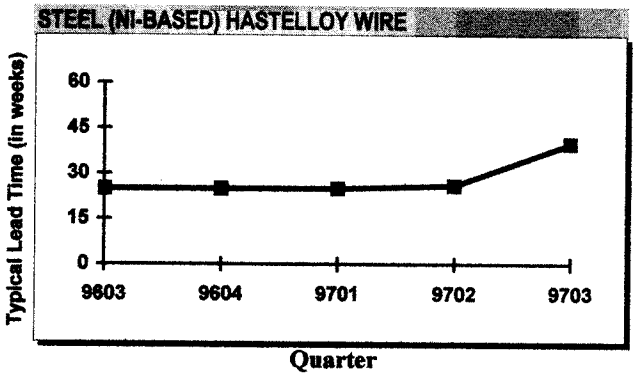
COMBINED ITEMS WITH GREATEST CHANGE IN LEAD TIME











TITLE I
WPAFB, OHIO 45433-6503

5/13/98

COMPANY RESPONSE SUMMARY
Quarter: 9703

Part #	Part Description		Typical Lead Time
	Parts With Number Of Responses =	**1**	
1.5.1.1	STEEL (NI-BASED) INCONEL BILLET		36
1.5.1.2	STEEL (NI-BASED) INCONEL INGOT		30
1.5.2.1	STEEL (NI-BASED) L-605 BILLET		32
1.5.2.2	STEEL (NI-BASED) L-605 INGOT		26
1.5.3.1	STEEL (NI-BASED) MAR-M247, BILLET		36
1.5.3.2	STEEL (NI-BASED) MAR-M247, INGOT		32
1.5.4.1	STEEL (NI-BASED) RENE BILLET		30
1.5.4.2	STEEL (NI-BASED) RENE INGOT		25
1.5.5.1	STEEL (NI-BASED) HASTELLOY WIRE		40
	Parts With Number Of Responses =	**2**	
1.3.1.1	MAGNESIUM EXTRUSION, 0-5 DIA. IN.		33
1.3.1.2	MAGNESIUM EXTRUSION, 5-10 DIA. IN.		33
1.3.1.3	MAGNESIUM EXTRUSION, 10-UP DIA. IN.		33
	Parts With Number Of Responses =	**3**	
1.1.2.5	ALUMINUM SHELLMOLD CASTING		26
1.3.2	MAGNESIUM BAR		20
1.3.3	MAGNESIUM SHEET		20
1.3.4	MAGNESIUM PLATE		20
1.5.6.1	STEEL (NI-BASED) WASPALLOY WIRE		28
1.7.2.1.2	TITANIUM SAND CASTING, COMPLEX		30
1.7.2.2	TITANIUM PERMANENT MOLD CASTING		30
1.7.2.3	TITANIUM DIE CASTING		39
2.1.1	BEARINGS, AIRCRAFT WHEELS		34
2.1.5	BEARINGS, MAIN SHAFT JET ENGINE		37
2.2.1.2	BATTERIES, NICKEL HYDROGEN (NiH2)		9
2.2.6	TRAVELLING WAVE TUBES (TWT)		26
	Parts With Number Of Responses =	**4**	
1.4.2.1.2	STEEL (ALLOY) SAND CASTING, COMPLEX		23
1.4.2.2	STEEL (ALLOY) CASTING PERMANENT MOLD		21
1.4.2.5	STEEL (ALLOY) SHELLMOLD CASTING		20
1.4.3.3	STEEL (ALLOY) EXTRUSIONS, 10-UP DIA. IN.		25
1.7.2.1.1	TITANIUM SAND CASTING, SIMPLE		34
1.7.2.5	TITANIUM SHELLMOLD CASTING		33
2.1.2	BEARINGS, HIGH SPEED ACCESSORY		38
2.1.3	BEARINGS, WING PIVOT		28
2.1.4.1	BEARINGS, AIRFRAME-ROD END, BALL		32
2.1.4.2	BEARINGS, AIRFRAME-ROD END, ROLLER		28
2.2.2.2	CAPACITORS, ELECTROLYTIC		13
2.2.2.3	CAPACITORS, OIL FILLED		13

TITLE I
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COMPANY RESPONSE SUMMARY
Quarter: 9703

Part #	Part Description	Typical Lead Time
2.2.4.2	INTEGRATED CIRCUITS, HARDENED	20
2.2.4.5	INTEGRATED CIRCUITS, ROM	16
2.2.4.6	INTEGRATED CIRCUITS, PROM	16
2.2.5.4	PRINTED WIRE BOARDS, RIGID FLEX	12
2.2.8.3	TRANSISTORS, FET (GaAs SUBSTRATE)	20

Parts With Number Of Responses = 5

1.4.2.1.1	STEEL (ALLOY) SAND CASTING, SIMPLE	19
1.4.2.3	STEEL (ALLOY) DIE CASTING	17
1.4.3.1	STEEL (ALLOY) EXTRUSIONS, 0-5 DIA. IN.	25
1.4.3.2	STEEL (ALLOY) EXTRUSIONS, 5-10 DIA. IN.	25
1.6.1	STEEL (STAINLESS) BAR	14
1.6.2	STEEL (STAINLESS) SHEET	15
1.6.3	STEEL (STAINLESS) PLATE	15
1.7.3.3	TITANIUM EXTRUSIONS, 10-UP DIA. IN.	52
2.2.1.1	BATTERIES, NICKEL CADMIUM (NiCd)	9
2.2.4.1	INTEGRATED CIRCUITS, CUSTOM	19
2.2.4.3	INTEGRATED CIRCUITS, MICROPROCESSORS	17
2.2.4.4	INTEGRATED CIRCUITS, RAM	16
2.2.4.7	INTEGRATED CIRCUITS, EPROM	16
2.2.4.8	INTEGRATED CIRCUITS, STANDARD	13
2.2.5.1	PRINTED WIRE BOARDS, SINGLE SIDED	12
2.2.5.2	PRINTED WIRE BOARDS, MULTI-LAYER	13
2.2.5.3	PRINTED WIRE BOARDS, FLEX CIRCUIT	12

Parts With Number Of Responses = 6

1.1.2.2	ALUMINUM PERMANENT MOLD CASTING	23
1.1.2.3	ALUMINUM DIE CASTING	19
1.2.2.1	COMPOSITES STRUCTURES, ARAMID	21
1.2.2.2	COMPOSITES STRUCTURES, CARBON	21
1.6.4	STEEL (STAINLESS) TUBING	19
1.7.3.1	TITANIUM EXTRUSIONS, 0-5 DIA. IN.	46
1.7.3.2	TITANIUM EXTRUSIONS, 5-10 DIA. IN.	46
1.7.5	TITANIUM ROD	29
2.1.6	BEARINGS, SPECIAL	34
2.2.2.1	CAPACITORS, CHIP	14
2.2.2.4	CAPACITORS, OTHERS	14
2.2.7.1	RESISTORS, AUDIO	12
2.2.7.4	RESISTORS, HF	13
2.3.2.2.1	FASTENERS, PH13-8 SS BOLTS, SPLINE DRIVE	27
2.3.2.2.2	FASTENERS, PH13-8 SS BOLTS, TORX SET RECESS	27
2.3.2.3.1	FASTENERS, TI (6-4 ALLOY) BOLTS, SPLINE DRIVE	28
2.3.2.3.2	FASTENERS, TI (6-4 ALLOY) BOLTS, TORX SET RECESS	28
2.3.2.3.3	FASTENERS, TI (6-4 ALLOY) BOLTS, SLEEVE	28

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COMPANY RESPONSE SUMMARY
Quarter: 9703

Part #	Part Description	Typical Lead Time
	Parts With Number Of Responses = **7**	
1.1.3.1	ALUMINUM EXTRUSIONS, 0-5 DIA. IN.	43
1.1.3.3	ALUMINUM EXTRUSIONS, 10-UP DIA. IN.	40
1.2.1.2	COMPOSITES PREPREG, CARBON	19
1.4.1.1	STEEL (ALLOY) FORGINGS, 000-200 SQ. IN.	30
1.4.1.2	STEEL (ALLOY) FORGINGS, 201-800 SQ. IN.	32
1.4.1.3	STEEL (ALLOY) FORGINGS, 801- UP SQ. IN.	34
1.7.2.4	TITANIUM INVESTMENT CASTING	29
1.7.4	TITANIUM BAR	35
1.7.6	TITANIUM SHEET	44
1.7.7	TITANIUM PLATE	44
2.2.3.1	ELECTRICAL CONNECTORS, STANDARD	19
2.2.3.2	ELECTRICAL CONNECTORS, OTHERS	24
2.2.7.2	RESISTORS, CARBON	12
2.2.7.3	RESISTORS, FILM	12
2.2.7.5	RESISTORS, POWER	13
2.2.7.6	RESISTORS, WIRE	12
2.2.8.1	TRANSISTORS, POWER	18
2.2.8.2	TRANSISTORS, SWITCHING	18
2.3.1.1.1	FASTENERS, 2219 ALUMINUM ALLOY RIVETS, SOLID	14