

AMMUNITION ACTIVE
AIRBORNE WEAPONS CORRECTIVE ACTION PROGRAM

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NOTE: OPEN problems denoted by asterisk (*) following problem number.

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PROBLEM NO: 14597

OPEN

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	CARTRIDGE, 20MM	1575AS100	1305	01-213-9658	A677
	CARTRIDGE, 20MM SAPHEI	1696AS220-2	1305	01-213-9658	A677

EI CNTRL NO:

PROB BRIEF : PGU-28/B PREMATURE DETONATION IN BARREL/BARREL DAMAGE

PROBLEM : One round hit blast deflector and nicked radar antenna due to
DESCRIPTION premature detonation in barrel.

PREVENTIVE : Not identified.
ACTION

CORRECTIVE : Not identified.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	VX-9	EMR/EIR	R55646-00-0022	10AUG00	OPEN
	VMFA-115	EMR/EIR	M09234-00-0018	05AUG00	OPEN
	VMFA(AW)-121	EMR/EIR	M09257-00-0014	26MAY00	OPEN
	VFA-305	CODR/EIR	R09326-93-0038	25SEP93	CLOSED *
	VMFA-314	EMR/EIR	M09230-93-0006	09FEB93	CLOSED *
	VMFA-333	EMR	M09502-91-0017	22FEB91	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : VX-9 EMR/EIR R55646-00-0022 10AUG00 OPEN

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	1696AS220-2	1305	01-213-9658	A677
	NOMEN: CARTRIDGE, 20MM SAPHEI			
	LOT: OL-93L005-022			
FAILED PART:	1696AS220-2	1305	01-213-9658	A677
	NOMEN: CARTRIDGE, 20MM SAPHEI			
	LOT: OL-93005-022			

DESCRIPTION:

It was reported that after a gun run using PGU-28/B ammunition from Lot OL-93L005-022, NALC A677, pilot reported gun was ready for service with no discrepancies, but indicated a large amount of muzzle flash on second gun run. During scheduled maintenance system removal from aircraft, ground personnel observed damage to two gun barrels and a hole in the blast diffuser. Damage to aircraft gun system occurred prior to receipt of message from CNAP N85D restricting use of NALC A677 ammunition.

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PROBLEM NO: 14597

(Continued)

ACTION TAKEN:

NAWC PT. MUGU 110329ZAUG00: Request ship gun barrels, all metal fragments, spent cases incident load, unfired ammunition from incident load, one unopened (Factory sealed) can of ammunition from incident Lot, copy of all photos and a copy of cockpit recorder tape to NSWC Crane. Request that NSWC Crane conduct an investigation upon receipt of exhibit. Provide results of investigation to NAWC Pt. Mugu. Problem will remain open pending results of investigation.

NAWC PT. MUGU 010229ZMAR01: Three separate incidents occurred between May 2000 and August 2000 in the 20MM M61 F/A-18 gun system involving PGU-28/B SAPHEI ammunition that resulted in deformation and/or ruptures to one or more barrels. All incident Lots of ammunition were produced by the same manufacturer during the 1993 time frame. In order to expedite the engineering investigation process that incorporated all three incident Lots of ammunition. Engineering investigation commenced in August 2000 and the following conclusions were determined:

A. Moisture intrusion and/or propellant degradation was not a contributing factor.

B. There were no light loads of propellant.

C. Ruptures were not caused by a plugged bore.

D. Events were caused by one or more undeterminable failures.

NSWC Crane conducted various tests that revealed potential anomalies not previously known that may have contributed to the projectile failure. Current test data is inconclusive. Therefore, the engineering investigation will remain in an open status until further testing can be conducted.

The following recommendations are:

A. Leave all NALC A677 20MM PGU-28/B SAPHEI ammunition in Condition Code "N".

B. All 20MM PGU-28/B SAPHEI ammunition manufactured in 1993 and early 1994 shall remain in Condition Code "J" due to the concerns over possible manufacturing defects.

C. Continue with testing efforts.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY		NSWC CRANE/4022	INVESTIGATE	30MAY01 OPEN

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VX-9 MESSAGE 101900ZAUG00	PROBLEM REPORT
		NAWC PT MUGU/311000E MESSAGE 110329ZAUG00	INTERIM RESPONSE
		NAWC PT MUGU/311000E MESSAGE 010229ZMAR01	PRELIMINARY INVESTIGATION RESULTS

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PROBLEM NO: 14597

(Continued)

ACTION :	VMFA-115	EMR/EIR M09234-00-0018	05AUG00 OPEN
	END ITEM :	PART/DOC. NO. 1696AS220-2 NOMEN: CARTRIDGE, 20MM SAPHEI LOT: OL-93K005-021	FSC NIIN NALC 1305 01-213-9658 A677
	FAILED PART:	1696AS220-2 NOMEN: CARTRIDGE, 20MM SAPHEI LOT: OL-93K005-021	1305 01-213-9658 A677

DESCRIPTION:

It was reported that after firing 186 rounds of PGU-28/B ammo from Lot OL-93K005-021, NALC A677 on a strafing run pilot noticed a small explosion from nose of aircraft. After recovery EOD noticed damage in the barrel. Further inspection suggested by EOD that a light charge caused one round to lodge itself in the barrel, followed by a second and third round causing an explosion from the compression between rounds, subsequently detonating the ammo.

ACTION TAKEN:

NAWC PT. MUGU 070529ZAUG00: Request ship gun barrels, all metal fragments, spent cases from incident load, unfired ammo from incident load, one unopened (Factory sealed) can of ammo from incident Lot, copy of all photos and a copy of cockpit recorder tape to NSWC Crane. Request NSWC Crane conduct investigation upon receipt of exhibits items. Provide investigation results to NAWC Pt. Mugu. Problem will remain open pending results of investigation.

VMFA-115 070800ZDEC00: This supplemental message is follow up to original deficiency report:

- A. 20MM, PGU-28/B \$16.55 each.
- B. Gun, 20MM automatic: \$3574.04 repair cost.
- C. One blast diffuser: \$14,310.
- D. Gun barrel X3: \$3603.
- E. Muzzle clamp: \$4442.
- F. Mid barrel clamp: \$246.
- G. Valve, Globe (Gun gas): \$99.
- H. One nose radome: \$9504.
- I. Forward windscreen: \$6586.
- J. Left/Right engines: \$83,446.
- K. Left leading edge flap: \$8121.
- L. Support slide assembly: \$18,320.
- M. Left/Right slide assembly: \$3120.
- N. radar dish: \$15,130.
- O. Labor: \$4800.
- P. Total: \$175,350.69.

NAWC PT. MUGU 010229ZMAR01: Three separate incidents occurred between May 2000 and August 2000 in the 20MM M61 F/A-18 gun system involving PGU-28/B SAPHEI ammunition that resulted in deformation

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(Continued)

and/or ruptures to one or more barrels. All incident Lots of ammunition were produced by the same manufacturer during the 1993 time frame. In order to expedite the engineering investigation process that incorporated all three incident Lots of ammunition. Engineering investigation commenced in August 2000 and the following conclusions were determined:

- A. Moisture intrusion and/or propellant degradation was not a contributing factor.
- B. There were no light loads of propellant.
- C. Ruptures were not caused by a plugged bore.
- D. Events were caused by one or more undeterminable failures.

NSWC Crane conducted various tests that revealed potential anomalies not previously known that may have contributed to the projectile failure. Current test data is inconclusive. Therefore, the engineering investigation will remain in an open status until further testing can be conducted.

The following recommendations are:

- A. Leave all NALC A677 20MM PGU-28/B SAPHEI ammunition in Condition Code "N".
- B. All 20MM PGU-28/B SAPHEI ammunition manufactured in 1993 and early 1994 shall remain in Condition Code "J" due to the concerns over possible manufacturing defects.
- C. Continue with testing efforts.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NSWC CRANE/4022	INVESTIGATE	30MAY01	OPEN

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	VMFA-115 MESSAGE 051315ZAUG00	PROBLEM REPORT
	NAWC PT MUGU/311000E MESSAGE 070529ZAUG00	INTERIM RESPONSE
	VMFA-115 MESSAGE 070800ZDEC00	ADDITIONAL INFORMATION
	NAWC PT MUGU/311000E MESSAGE 010229ZMAR01	PRELIMINARY INVESTIGATION RESULTS

ACTION :	VMFA(AW)-121	EMR/EIR M09257-00-0014	26MAY00	OPEN
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	1696AS220-2	1305	01-213-9658	A677
	NOMEN: CARTRIDGE, 20MM SAPHEI			
	LOT: OL-93J005-016			
FAILED PART:	1696AS220-2	1305	01-213-9658	A677
	NOMEN: CARTRIDGE, 20MM SAPHEI			
	LOT: OL-93J005-016			

DESCRIPTION:

It was reported after firing 42 rounds on a strafing run aircrew noticed a small explosion from forward of the windscreen. After

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recovery wing man noticed damage in the blast diffuser area. Ground crew noticed the radome was delaminated, punctured, and a hole in the blast diffuser. A damaged muzzle clamp would not allow it to come off the barrels. The entire radar package assembly was removed so the gun could be dropped with the blast diffuser attached. Inspection of the gun bay revealed damage of two formers (Y139.700, Y152.250) and the heat shield on top of the bulkhead. Radar antenna and radome also had puncture holes. Suspect barrel failure.

ACTION TAKEN:

NAWC PT. MUGU 310129ZMAY00: Request VMFA (AW)-121 ship all metal fragments, spent cases from the incident load, all unfired ammunition from the incident load, one unopened (factory sealed) can of ammunition from the incident Lot, copy of all photos and a copy of the cockpit recorder tape to NSWC CRANE. Request NSWC CRANE take for action. Notify NAWC Pt. Mugu when exhibits are received. Provide results of investigation. Problem will remain open pending results of the investigation.

NAWC PT. MUGU 240029ZJUL00: It was previously requested that incident cockpit tapes and photos be shipped to NSWC CRANE. To date the exhibits have not been received. Request ship cockpits tapes and photos immediately to NSWC CRANE. Provide all shipping information to NAWC Pt. Mugu and approximate arrival date at NSWC CRANE. Problem will remain open pending results of the investigation.

VMFA(AW)-121260507ZJUYL00: As requested, all available pictures and tapes were mailed by certified mail. the package is registered under number R694617053. Expect package to be at NSWC Crane in within 48 hours.

NAWC PT. MUGU 010229ZMAR01: Three separate incidents occurred between May 2000 and August 2000 in the 20MM M61 F/A-18 gun system involving PGU-28/B SAPHEI ammunition that resulted in deformation and/or ruptures to one or more barrels. All incident Lots of ammunition were produced by the same manufacturer during the 1993 time frame. In order to expedite the engineering investigation process that incorporated all three incident Lots of ammunition. Engineering investigation commenced in August 2000 and the following conclusions were determined:

A. Moisture intrusion and/or propellant degradation was not a contributing factor.

B. There were no light loads of propellant.

C. Ruptures were not caused by a plugged bore.

D. Events were caused by one or more undeterminable failures.

NSWC Crane conducted various tests that revealed potential anomalies not previously known that may have contributed to the projectile failure. Current test data is inconclusive. Therefore, the engineering investigation will remain in an open status until further testing can be conducted.

The following recommendations are:

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PROBLEM NO: 14597

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- A. Leave all NALC A677 20MM PGU-28/B SAPHEI ammunition in Condition Code "N".
- B. All 20MM PGU-28/B SAPHEI ammunition manufactured in 1993 and early 1994 shall remain in Condition Code "J" due to the concerns over possible manufacturing defects.
- C. Continue with testing efforts.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NSWC CRANE/4022	INVESTIGATE	30MAY01	OPEN

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		VMFA(AW)-121 MESSAGE 260511ZMAY00	PROBLEM REPORT
		NAWC PT MUGU/311000E MESSAGE 310129ZMAY00	INTERIM RESPONSE
		NAWC PT MUGU/311000E MESSAGE 240029ZJUL00	EXHIBIT REQUEST
		VMFA(AW)-121 MESSAGE 260507ZJUL00	SHIPPING INFORMATION
		NAWC PT MUGU/311000E MESSAGE 010229ZMAR01	PRELIMINARY INVESTIGATION RESULTS

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PROBLEM NO: 15510

OPEN

END ITEM	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
:	CARTRIDGE, 20MM	1575AS300	1305	01-213-9656	A678
	CARTRIDGE, 20MM	1696AS220-1	1305	01-213-9656	A678
	GUN M61A1	211F930	1005	01-202-4051	
	20MM CTG	7258943	1305	00-350-9580	A450
	GUN M61A1	7791641	1005	00-056-6753	

EI CNTRL NO: 00-0007

PROB BRIEF : PGU-27/B CASE NECK SEPARATION

PROBLEM : Ammo cases were found damaged and crimped.
DESCRIPTION

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : No corrective action has been determined.
ACTION

OCCURRENCES:	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
	HMLA-269	CODR/EIR	M08998-00-0022	06MAR00	REOPENED
	VFA-37	EMR/EIR	V09478-96-0084	09SEP96	CLOSED *
	VFA-125	CODR	R09485-96-0050	26JUN96	CLOSED *
	VF-32	EMR	V09053-96-0014	05JUN96	CLOSED *
	VF-101	CODR/EIR	V09067-95-0104	03AUG95	CLOSED *
	VFA-83	CODR/EIR	V09223-95-0005	24MAR95	CLOSED *
	VMFA-115	CODR/EIR	M09234-95-0010	15MAR95	CLOSED *
	VMFA-251	CODR/EIR	M09241-95-0005	27FEB95	CLOSED *
	VMFA(AW)-224	CODR/EIR	M09439-94-0066	19DEC94	CLOSED *
	VMFA(AW)-533	CODR/EIR	M09193-93-0035	12NOV93	CLOSED *
	VF-24	EMR	R09932-93-0001	29OCT93	CLOSED *
	MAG-31	CODR/EMR	M09384-93-0012	15SEP93	CLOSED *
	NAWC PAX RIVER	CODR/EIR	N00421-93-0388	30AUG93	CLOSED *
	VFA-151	CODR	R09558-93-0058	13AUG93	CLOSED *
	VF-2	CODR	R09113-93-0020	27JUL93	CLOSED *
	VFA-125	CODR/EMR	R09485-93-0046	20JUL93	CLOSED *
	USS INDEPENDENCE (CV-62)	CODR/EIR	V03362-93-0018	17JUL93	CLOSED *
	VFA-97	CODR	R63923-93-0024	06JUL93	CLOSED *
	VFA-151	EMR/EIR	R09558-93-0043	02JUL93	CLOSED *
	VMFA(AW)-533	CODR	M09193-93-0019	02JUL93	CLOSED *
	VFA-97	CODR/EMR	R63923-93-0023	01JUL93	CLOSED *
	VFA-97	CODR/EMR	R63923-93-0022	30JUN93	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

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PROBLEM NO: 15510

(Continued)

ACTION	: HMLA-269	: CODR/EIR M08998-00-0022	06MAR00 REOPENED		
		PART/DOC. NO.	FSC	NIIN	NALC
	END ITEM	: 7258943	1305	00-350-9580	A450
		NOMEN: 20MM CTG			
		LOT: LC99K301S612			
	FAILED PART:	7258943	1305	00-350-9580	A450
		NOMEN: 20MM CTG			
		LOT: LC99K301S612			

DESCRIPTION:

During dearming procedures discovered M197 gun had jammed. Aircraft was shut down in dearming area while gun jam clearing procedures were completed. Inspection of M197 gun/feeder and associated equipment revealed a 20MM TPT cartridge casing had become lodged in barrel/chamber of weapon and was determined to have been the cause of reported jam.

ACTION TAKEN:

NAWC PT. MUGU 090329ZMAR00: Request ship M197 gun barrel involved with jammed casing, four A450 20MM TPT rounds recovered, one ammo can from Lot A450 and photos to NSW Crane. NSW Crane take for action. Conduct engineering investigation. Provide results upon completion. Problem will remain open pending investigation results.

NAWC PT. MUGU 290129ZJUN00: Due to non receipt of exhibits, no further action planned. Problem will be monitored for future occurrences. This is closing action.

NAWC PT. MUGU 010129ZAUG00: Exhibits have been received at NSW Crane. Investigation underway. Request NSW Crane provide results to NAWC Pt. Mugu. Problem will remain open until investigation is complete.

NAWC PT. MUGU 230229ZMAY00: Request MALS-29 to ship the following items, M197 gun barrel involved with jammed casing, four - A450 20MM rounds recovered, one ammunition can from Lot A450 and photos to: NSW Crane. Also provide the following information to NSW Crane: Copy of 1348, list of items that are being shipped, name of carrier, and firm arrival date that items will arrive at Crane. NSW Crane take for action. Conduct engineering investigation. Provide results to NAWC PT. MUGU upon completion. To date exhibits have not been received. Problem will remain open pending investigation results.

NAWC PT. MUGU 290229ZJUN00: Due to non receipt of exhibits, no further action planned. Problem will be monitored for future occurrences. This is closing action.

NAWC PT. MUGU 010129ZAUG00: Exhibits have been received at NSW Crane. Investigation underway. Request NSW Crane provide results to all concerned. Problem will remain open until investigation is complete.

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PROBLEM NO: 15510

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ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NAWC PT MUGU/311000E	REOPENED	07JUN00	OPEN
		NSWC CRANE/4022	INVESTIGATE	07JUN00	OPEN
		NSWC CRANE/4022	INVESTIGATE	30OCT00	OPEN

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		HMLA-269 MESSAGE 060933ZMAR00	PROBLEM REPORT
		NAWC PT MUGU/311000E MESSAGE 090329ZMAR00	INTERIM RESPONSE
		NAWC PT MUGU/311000E MESSAGE 230229ZMAY00	ACTION ASSIGNMENT
		NAWC PT MUGU/311000E MESSAGE 290129ZJUN00	REPLY/CLOSING
		NAWC PT MUGU/311000E MESSAGE 010129ZAUG00	REOPEN/ACTION ASSIGNMENT

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PROBLEM NO: 16013 CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	GUN, 50 CALIBER	11691500	1005	00-165-4361	
	CARTRIDGE .50 CALIBER	9329737	1320	00-028-6603	A576

EI CNTRL NO:

PROB BRIEF : .50 CAL M2 API ROUND COOKED OFF

PROBLEM : Rounds cooked off while waiting to make the next firing run.
DESCRIPTION

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : No corrective action has been determined.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	HMM-163	EMR	M09405-97-0001	20AUG97	CLOSED
	HMM-164	EMR	M09408-95-0016	30AUG95	CLOSED *

* ACTION REPORTED IN PREVIOUS PUBLICATION

ACTION : HMM-163 EMR M09405-97-0001 20AUG97 CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	9329737	1320	00-028-6603	A576
	NOMEN: CARTRIDGE .50 CALIBER			
	S/N: UNKNOWN			
	LOT: LC91F621L-362			
FAILED PART:	9329737	1320	00-028-6603	A576
	NOMEN: CARTRIDGE .50 CALIBER			
	LOT: LC91F621L-362			

DESCRIPTION:

Multiple firing runs were made with a two to three minute cool down period before next run. While waiting to make the third run, six of twelve guns experienced cookoffs. One cookoff was outside of the gun as it was being cleared. All weapons were allowed to cool for five minutes, the rest of the gunnery training was conducted without incident.

ACTION TAKEN:

NAWC PT. MUGU 270029ZAUG97: Request NSWC Crane take for action and provide findings to all concerned.
HMM-163 020800ZSEP97: Duplicate CODR received.
NAWC PT. MUGU 080029ZSEP00: To date no information has been received on the investigation. Please provide results or current status of

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PROBLEM NO: 16013

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investigation. If no response is received by 01OCT00 the will be considered as closing action to the deficiency.
 NAWC PT. MUGU 260529ZFEB01: To date no response received. Problem will be monitored for future occurrences. This is closing action.
 NSWC CRANE 281950FEB01: As requested, status of action regarding DODIC A576, Lot LC-91F621L362 is provided. Investigation into ammunition related cause of the incident was determined to be unwarranted based upon review conducted at time of incident. Incident was considered to be related to firing rate exceeding the sustainable firing rate for the XM-218 machine gun. Investigations into similar incidents with same firing time lines have resulted in that finding. Recommend that NAWC PT. MUGU close incident file specific to DODIC A576, Lot LC-91F621L362.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY		NSWC CRANE	INVESTIGATE		COMPLETE 26FEB01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		HMM-163 MESSAGE 200800ZAUG97	PROBLEM REPORT
		NAWC PT MUGU/311200E MESSAGE 270029ZAUG97	INTERIM RESPONSE
		HMM-163 MESSAGE 020800ZSEP97	DUPLICATE CODR
		NAWC PT MUGU/311000E MESSAGE 080029ZSEP00	INVESTIGATION RESULTS REQUESTED
		NAWC PT MUGU/311000E MESSAGE 260529ZFEB01	REPLY/CLOSING
		NSWC CRANE MESSAGE 281950ZFEB01	INVESTIGATION RESULTS

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PROBLEM NO: 16291 CLOSED

END ITEM : NOMENCLATURE PART/DOC. NO. FSC NIIN NALC
: CARTRIDGE 7.62MM 10521998 1305 00-926-3942 A165

EI CNTRL NO:

PROB BRIEF : 7.62MM PROJECTILE JAMMED IN BARREL

PROBLEM : Projectile found lodged in barrel. Only copper jacket remained.
DESCRIPTION

PREVENTIVE : No preventive action has been determined.
ACTION

CORRECTIVE : No corrective action has been determined.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	HMLA-367	CODR	M09079-97-0016	24APR97	CLOSED
ACTION :	HMLA-367	CODR	M09079-97-0016	24APR97	CLOSED

	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	10521998	1305	00-926-3942	A165
	NOMEN: CARTRIDGE 7.62MM			
	S/N: UNKNOWN			
	LOT: LC95M602L139			
FAILED PART:	10521998	1305	00-926-3942	A165
	NOMEN: CARTRIDGE 7.62MM			
	LOT: LC95M601998			

DESCRIPTION:

Subsequent to flight and during weapons maintenance, a projectile was found lodged in breech end of the barrel. Projectile removed using a cleaning rod. It was discovered that the bullet had no lead core and only consisted of the copper jacket. Ammo used was 7.62MM, ammo lot LC96M602L139.

ACTION TAKEN:

NAWC PT. MUGU 290526ZMAY97: Readdressed message to NSWC Crane for action.
NAWC PT. MUGU 300629ZAPR97: Requested NSWC Crane to take for action and provide investigation results to all concerned upon completion.
NAWC PT. MUGU 080029ZSEP00: To date no information has been received on the investigation. Please provide results or current status of investigation. If no response is received by 01OCT00 the will be considered as closing action to the deficiency.
NAWC PT. MUGU 260229ZFEB01: To date no response received. Problem will be monitored for future occurrences. This is closing action.

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PROBLEM NO: 16291

(Continued)

ACTION	: ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY	NSWC CRANE	INVESTIGATE	COMPLETE 26FEB01

REFERENCES	: IDENTIFICATION	REFERENCE BRIEF
	HMLA-367 MESSAGE 240800ZAPR97	PROBLEM REPORT
	NAWC PT MUGU/311200E MESSAGE 290526ZAPR97	READDRESSAL
	NAWC PT MUGU/311200E MESSAGE 300629ZAPR97	INTERIM RESPONSE
	NAWC PT MUGU/311000E MESSAGE 080029ZSEP00	INVESTIGATION RESULTS
	NAWC PT MUGU/311000E MESSAGE 260229ZFEB01	REQUESTED REPLY/CLOSING

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PROBLEM NO: 16295 CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	CARTRIDGE 7.62MM	10521998	1305	00-926-3942	A165
	CARTRIDGE, 7.62MM	A165	1305	00-926-3942	

EI CNTRL NO:

PROB BRIEF : 7.62MM HANGFIRE, DETONATED OUTSIDE CHAMBER

PROBLEM : Round detonated outside of chamber after ejection.
DESCRIPTION

PREVENTIVE : Ensure weapon has cooled before ejecting round.
ACTION

CORRECTIVE : No corrective action has been determined.
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	HMLA-775	EMR	M55252-99-0002	23FEB99	CLOSED
	HMT-303	CODR/EMR	M55176-97-0018	11AUG97	CLOSED
	MAG-46 DET A	EMR	M47499-97-0005	17MAY97	CLOSED

ACTION :	HMLA-775	EMR	M55252-99-0002	23FEB99	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	A165	1305	00-926-3942	
	NOMEN: CARTRIDGE, 7.62MM			
	LOT: LC90H601L752			
FAILED PART:	A165	1305	00-926-3942	
	NOMEN: CARTRIDGE, 7.62MM			
	LOT: LC90H601L752			

DESCRIPTION:

During firing, one round of A165 7.62MM, lot number LC90H601L752 detonated in link chute, causing harm to gunners left ankle.

ACTION TAKEN:

NAWC PT. MUGU 260929ZFEB99: Request NSWC Crane take for action and provide investigation results to all concerned upon completion.
NSWC CRANE 291140ZFEB00: Reports the following: DODIC A165, ALN LS-90H601L752, surface ammunition malfunction control number 1999-0006 was established with the investigation being assigned to CDRIOC Rock Island. 1999-006 focuses on this and one other Lot of A165 but has the potential to affect all A165 in the inventory. The investigation was transitioned from CDRIOC Rock Island IL to US Army ARDEC in first quarter FY00. PM4 assigned NSWC Crane to monitor and report on the ARDEC's progress. No significant progress has been made to date.

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PROBLEM NO: 16295

(Continued)

NAWC PT. MUGU 080029ZSEP00: To date no information has been received on the investigation. Please provide results or current status of investigation. If no response is received by 01OCT00 the will be considered as closing action to the deficiency.
 NAWC PT. MUGU 260629ZFEB01: To date no response received. Problem will be monitored for future occurrences. This is closing action.

ACTION :	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	NSWC CRANE	INVESTIGATE	COMPLETE	26FEB01

REFERENCES :	IDENTIFICATION	REFERENCE BRIEF
	HMLA-775 MESSAGE 231300ZFEB99	PROBLEM REPORT
	NAWC PT MUGU/311200E MESSAGE 260929ZFEB99	INTERIM RESPONSE
	NSWC CRANE/4022 MESSAGE 291140ZFEB00	INVESTIGATION REPORT
	NAWC PT MUGU/311000E MESSAGE 080029ZSEP00	INVESTIGATION RESULTS REQUESTED
	NAWC PT MUGU/311000E MESSAGE 260629ZFEB01	REPLY/CLOSING

ACTION :	HMT-303	CODR/EMR M55176-97-0018	11AUG97	CLOSED	
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	10521998	1305	00-926-3942	A165
	NOMEN: CARTRIDGE 7.62MM			
	S/N: UNKNOWN			
	LOT: LC94E602L-097			
FAILED PART:	10521998	1305	00-926-3942	A165
	NOMEN: CARTRIDGE 7.62MM			
	LOT: LC94E602L-097			

DESCRIPTION:

During firing, gunner reported he had been shot. Suspect round had exploded after ejected from weapon due to slow primer burn. Ammo used was 7.62MM, lot LC94E602L-097, NALC A165.

ACTION TAKEN:

NAWC PT. MUGU 180029ZAUG97: Request NSWC Crane take for action and provide results of the investigation to all concerned upon completion. |

NAWC PT. MUGU 080029ZSEP00: To date no information has been received on the investigation. Please provide results or current status of investigation. If no response is received by 01OCT00 the will be considered as closing action to the deficiency.

NAWC PT. MUGU 260429ZFEB01: To date no response received. Problem will be monitored for future occurrences. This is closing action.

NSWC Crane 281950ZFEB01: As requested, status of investigation regarding DODIC A165 ammunition Lot LC-94E602L097 is provided.

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PROBLEM NO: 16295

(Continued)

Investigation determined to be unwarranted based upon review conducted at time of incident. Incident was considered to be isolated. However, due to number of hang fires reported after this incident with DODIC A165, Surface Ammunition Malfunction Control number 1999-006 was opened. 1999-006 remains open. recommend that NAWC PT. MUGU not close incident file specific to DODIC A165 Lot LC-94E602L097 until 1999-006 is closed.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY		NSWC CRANE	INVESTIGATE	COMPLETE 26FEB01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		HMT-303 MESSAGE 111530ZAUG97	PROBLEM REPORT
		NAWC PT MUGU/311200E MESSAGE 180029ZAUG97	INTERIM RESPONSE
		NAWC PT MUGU/311000E MESSAGE 080029ZSEP00	INVESTIGATION RESULTS REQUESTED
		NAWC PT MUGU/311000E MESSAGE 260429ZFEB01	REPLY/CLOSING
		NSWC CRANE MESSAGE 281950ZFEB01	INVESTIGATION RESULTS

ACTION	:	MAG-46 DET A	EMR	M47499-97-0005	17MAY97 CLOSED
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		PART/DOC. NO.	FSC	NIIN	NALC
END ITEM	:	10521998	1305	00-926-3942	A165
		NOMEN: CARTRIDGE 7.62MM			
		S/N: UNKNOWN			
		LOT: LC94E602L097			
FAILED PART:		10521998	1305	00-926-3942	A165
		NOMEN: CARTRIDGE 7.62MM			
		LOT: LC94E602L097			

DESCRIPTION:

Crew chief was firing GAU-17 gun, when he experienced a charlie horse in his right inner thigh near the end of the burst. After completion of firing and clearing weapon, he noticed that he was bleeding from the right inner thigh. Projectile found laying on the cabin floor with little damage to the copper jacket. Fragments removed from crew chiefs leg.

ACTION TAKEN:

NAWC PT. MUGU 23APR97: NAWC Pt. Mugu received message for information only. NSWC Crane received message for action. NSWC CRANE 291142ZFEB00: Reports the following: DODIC A168, ALN LC-L-139678, was filed under isolated incident because of no apparent inventory for the ALN. No formal investigation was opened. Findings of 1999-0006 will be applicable to this incident. Surface Ammunition Malfunction Control number 1999-0006 was established with

**AMMUNITION ACTIVE
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PROBLEM NO: 16295

(Continued)

the investigation being assigned to CDRIOC Rock Island. 1999-0006 focuses on this and one other Lot of A165 but has the potential to affect all A165 in the inventory. The investigation was transitioned from CDRIOC Rock Island, IL to US Army ARDEC in first quarter FY00. PM4 assigned NSWC Crane to monitor and report on the ARDEC's progress. No significant progress has been made to date.
 NAWC PT. MUGU 080029ZSEP00: To date no information has been received on the investigation. Please provide results or current status of investigation. If no response is received by 01OCT00 the will be considered as closing action to the deficiency.
 NAWC PT. MUGU 260329ZFEB01: To date no response received. Problem will be monitored for future occurrences. This is closing action.

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE STATUS
SUMMARY		NSWC CRANE	INVESTIGATE	COMPLETE 26FEB01

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
		MAG-46 DET A MESSAGE 171700ZMAY97	PROBLEM REPORT
		NAWC PT MUGU/311200E INFO ONLY 23MAY97	ACTION ASSIGNED TO CRANE
		NSWC CRANE/4022 MESSAGE 291142ZFEB00	INVESTIGATION REPORT
		NAWC PT MUGU/311000E MESSAGE	INVESTIGATION RESULTS
		080029ZSEP00	REQUESTED
		NAWC PT MUGU/311000E MESSAGE	REPLY/CLOSING
		260329ZFEB01	

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PROBLEM NO: 16847 CLOSED

	NOMENCLATURE	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	20MM DUMMY LINKED	20MM DUMMY LINKED	1305	01-161-7529	A929

EI CNTRL NO:

PROB BRIEF : 20MM DUMMY AMMO CORRODED

PROBLEM : 20MM dummy linked ammo received corroded.
DESCRIPTION

PREVENTIVE : None
ACTION

CORRECTIVE : None
ACTION

	SOURCE	TYPE	DOCUMENT NO.	DATE	DR STATUS
OCCURRENCES:	USS HARRY S. TRUMAN (CVN-75)	CODR	V21853-00-0008	15MAY00	CLOSED

ACTION :	USS HARRY S. TRUMAN (CVN-75)	CODR	V21853-00-0008	15MAY00	CLOSED
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	PART/DOC. NO.	FSC	NIIN	NALC
END ITEM :	20MM DUMMY LINKED	1305	01-161-7529	A929
	NOMEN: 20MM DUMMY LINKED			
	LOT: LC-88H273-030, LC-88C273-024, LC-86H273-010			
FAILED PART:	20MM DUMMY LINKED	1305	01-161-7529	A929
	NOMEN: 20MM DUMMY LINKED			
	LOT: LC-88H273-030, LC-88C273-024, LC-86H273-010			

DESCRIPTION:

It was reported that during inspection of 20MM dummy linked ammunition received during verticle replenishment revealed that the dummy ammunition was corroded. Lots and quantity involved are LC-88H273-030, 1000 each; LC-86C273-024, 100 each; LC-86H273-010, 100 each; lot unknown, 499 each.

ACTION TAKEN:

CVN-75 231930ZAUG00: Have not received response to original deficiency report, message resubmitted with revied addresses.
NAWC PT. MUGU 280129ZAUG00: Appreciate the reporting of thei incident. Request activity inspect ammunition and follow corrective action of discrepant rounds found. No further action planned. Problem will be monitored for future occurrences. This is closing action.
CVN-75 291417ZAUG00: Weapons department intends to backload to USS Arctic for further disposition. Pictures available upon request.

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PROBLEM NO: 16847

(Continued)

ACTION	:	ACTIVITY/CODE	ASSIGNMENT	DUE DATE	STATUS
SUMMARY	:	NAWC PT MUGU/311000E	MONITOR		COMPLETE 28AUG00

REFERENCES	:	IDENTIFICATION	REFERENCE BRIEF
	:	USS HARRY S. TRUMAN (CVN-75) MESSAGE 152200ZMAY00	PROBLEM REPORT
	:	USS HARRY S. TRUMAN (CVN-75) MESSAGE 231930ZAUG00	FOLLOW UP REQUEST
	:	NAWC PT MUGU/311000E MESSAGE 280129ZAUG00	REPLY/CLOSING
	:	USS HARRY S. TRUMAN (CVN-75) MESSAGE 291417ZAUG00	ADDITIONAL INFORMATION