

RELEASING DOCUMENT

CREATION DATE: 300894  
 CREATION TIME: 13450000  
 BINAH VERSION NUMBER: 6.00  
 MAXIMUM CLASSIFICATION OF THIS DISKETTE: UUUU  
 HIGHEST CLASSIFICATION ON THIS DISKETTE: UUUU  
 DISKETTE RELEASING OFFICIAL'S NAME: NORBERT R. KNEIPP  
 ORG: ATCOM SAFETY OFFICE OFFICE: AMSAT-R-X PHONE: X2178  
 TOC FILE CRC: 6806

FILENAME	MSG PREC ACTION		DATE/TIME	FILETIME		TOT/ TOR	SPECAT		CRC
	TYPE	CLASS	GROUP	SSN		CIC			
ENGCLEAN.DIN	DD173	PP	UU	REDY	3115322	AUG94	ZYUW	N	2381

*engine gas  
path cleaners  
Sen-94-ASAM-11*

ATCOM SAFETY OFFICE/AMSAT-R-X/X2178  
 ORGANIZATION/OFFICE SYMBOL/PHONE NUMBER

*Norbert R. Kneipp*  
 DISKETTE RELEASING OFFICIAL'S SIGNATURE

UNCLASSIFIED

01 08 311532Z AUG 94 PP PP UUUU AA ZYUW

NO

CDRATCOM ST LOUIS MO//AMSAT-R-X//

AIG 6713

AIG 9004

AIG 8708

AIG 9042

AIG 7515

DCM APMO OZARK AL//DCMDS-RCQA//

USDAO NICOSIA CY//11-CAB-LNO//

CDROSAC EASTERN REGION FT MCPHERSON GA//ANAV-ER//

CDR4THBN228THAVN SOTO CANO HO//AVN-AMO//

102DARMY SCOTT AFB IL//AFRC-AMO-ASF-IL//

AMEMBASSY ROME IT//ODC/PASS TO HQ MFO//

CDR160TH SOAR FT CAMPBELL KY//AOAV-SI//

CDR8GAD RICHMOND KY//SDSBG-GC//

COMNAVAIRWARCENACDIV PATUXENT RIVER MD//TP90//

DIRAOD HOLLOMAN AFB NM//STWS-AA/GE/GS//

CDRAMCCOM PICATINNY ARSENAL NJ//AMSMC-AV-D//

JOHNSON CONWORLD SVC INC KWAJALEIN <sup>MH</sup> ~~NO~~//PAT2//

USCS CNAC OKLAHOMA CITY OK//AMI//

USLO MOGADISHU ~~SOC~~//LOGISTICS CONTROL CENTER//

CF: AMSAT-R-E, AMSAT-I-IAF, AMSAT-WA, SPAE-AV,  
AMSAT-I-ILNO(RAAF), AMSAT-I-LOG(AOC), AMSAT-I-IS, AMSAT-I-ILNO(IS)

LYELL MYERS, AEROSPACE ENGINEER MINIMIZE CONSIDERED  
AMSAT-R-X, X2438

NORBERT R. KNIOPP, X2178

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CDROSAC WESTERN REGION FT HOOD TX//ANAV-WR//

DPRO BELL HELICOPTER PORT WORTH TX//DCMDS-RBQ/

RBDP//

CDROSAC FT BELVOIR VA//ANAV-OS/ANAV-RW-M/ANAV-CR//

INFO TSM ATK HEL FT RUCKER AL//ATZQ-TSM-A//

210RQS KULIS ANGB AK//SE//

129RQG MOFFETT FLD CA//MAQ//

129RQS MOFFETT FLD CA//DOV//

HSL FOUR ONE NORTH ISLAND CA

FBI WASHINGTON DC//PASS TO AVIATION SUPERVISOR//

HQ USAF WASHINGTON DC//AQQU//

SEC STATE WASHINGTON DC//NEA/MFO//

US CUSTOMS SERVICE WASHINGTON DC//AVIATION

OPERATIONS//

41RQS PATRICK AFB FL//CC//

301RQS PATRICK AFB FL//SE//

160G HURLBURT FIELD FL//CC//

AFSOC HURLBURT FIELD FL//DOT/DOVR/LGMA/SE//

NAVAIRSYS COM DET PMA PENSACOLA FL//PMA225//

NAVAVNDEPOT PENSACOLA FL//310B//

CF: AMSAT-R-E, AMSAT-I-IAF, AMSAT-WA, SPAE-AV,  
AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-IS, AMSAT-I-ILNO(IS)

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NO

WR-ALC ROBINS AFB GA//LUHA//  
CDR AMC EUROPE SECKENHEIM GE//AMXEU-L-AAH-MPT-E//  
HQ PACAF HICKAM AFB HI//DO/LGM//  
HQ AMC SCOTT AFB IL//LG/LGF/LGQ/DO/DOT/DOV/DOX//  
39RQS MISAWA AB JA//MA//  
38RQS OSAN AB KOR//LGM//  
FAA NORTHEAST RGN HQ BURLINGTON MA//ANE-150//  
~~48RQS HOLLOMAN AFB NM//MA//~~  
102RQS GABRESKI APT NY//DOLS//  
106CAMS GABRESKI APT NY//MA//  
66RQS NELLIS AFB NV//MA//  
CDR WHITE SANDS MISSILE RANGE NM//STEW-AA//  
CUSALAO FT BLISS TX//AMXLA-T-BL/DEPT OF JUSTICE  
INS BORDER PATROL//  
304RQS PORTLAND IAP OR//SE//  
DIR OTSA FT BLISS TX//CSTE-OTA//  
CDRIICORPS FT HOOD TX//SFAB-AV-AAH-MPT-H//  
CDRUSARDSG LONDON UK//AMXSN-UK-SE//  
PROJ MGR NVEO FT BELVOIR VA//SFAB-IEW-NV//  
PMSW VHFS WARRENTON VA//SFAB-IEW-SG//

CP: AMSAT-R-E, AMSAT-I-IAF, AMSAT-WA, SFAB-AV,  
AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-IS, AMSAT-I-ILNO(IS)

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NO

ACC LANGLEY AFB VA//DOH/LGRC//  
XMT ODC CANBERRA AS  
USDAO DHAKA BG  
USDAO RANGOON BM  
USDAO COLOMBO CE  
USDAO SUVA FJ  
OMADP JAKARTA ID  
~~DSA NEW DELHI IN~~  
USDAO ROME IT  
USDAO ANTANANARIVO MA  
CDRATCOM ST LOUIS MO//AMSAT-R-X//  
SAO KUALA LUMPUR MY  
ANEMBASSY KATHMANDU NP//POL-MIL//

UNCLAS

SUBJECT - AVIATION SAFETY ACTION MESSAGE, GENERAL, RCS

CSGLD-1860(R1), APPROVED ENGINE CLEANERS FOR ARMY TURBINE ENGINES  
(GEN-94-ASAM-11).

NOTE - THIS IS AN AVIATION SAFETY ACTION MESSAGE ISSUED PER AR 95-3,  
CHAPTER 5 REVISION VIA MESSAGE HQ AVSCOM, AMSAV-XSOF, 181900Z SEP  
90, SUBJECT: CHANGE TO AR 95-3, CHAPTER 5, SAFETY OF FLIGHT

CF: AMSAT-R-E, AMSAT-I-IAF, AMSAT-WA, SFAE-AV,  
AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-IS, AMSAT-I-ILNO(IS)

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NO

MESSAGES. THIS MESSAGE HAS NOT BEEN TRANSMITTED TO UNITS  
SUBORDINATE TO ADDRESSEES. ADDRESSEES SHOULD IMMEDIATELY RETRANSMIT  
THIS MESSAGE TO ALL SUBORDINATE UNITS, ACTIVITIES OR ELEMENTS  
AFFECTED OR CONCERNED. THE RETRANSMITTAL SHALL REFERENCE THE  
MESSAGE. ACTION ADDRESSES WILL IMMEDIATELY VERIFY THIS  
RETRANSMISSION TO COMMANDER, ATCOM, ATTN - AMSAT-R-X (SOF  
COMPLIANCE OFFICER).

1. PRIORITY CLASSIFICATION - N/A.
2. TASK/INSPECTION SUSPENSE DATE - N/A.
3. REPORTING COMPLIANCE SUSPENSE DATE - N/A.
4. SUMMARY OF PROBLEM -

A. SEVERAL UNITS HAVE REQUESTED THAT AN ENGINE CLEANER BE  
IDENTIFIED WHICH HAS NO HYDROCARBON SOLVENTS DUE TO ENVIRONMENTAL  
PROTECTION AGENCY (EPA) RESTRICTIONS. THE APPROPRIATE MILITARY  
SPECIFICATION FOR TURBINE ENGINE GAS PATH CLEANING COMPONENTS,  
MIL-C-85704, HAS BEEN REVISED TO INCLUDE TYPE II AND TYPE IIA  
CLEANERS WHICH ARE AQUEOUS CLEANERS THAT DO NOT CONTAIN HYDROCARBON  
SOLVENTS. TYPE II CLEANERS REQUIRE DILUTION WITH WATER, WHILE TYPE  
IIA CLEANERS ARE READY FOR USE; NO DILUTION REQUIRED.

B. THE PURPOSE OF THIS MESSAGE IS TO INFORM USERS OF AN

CF: AMSAT-R-E, AMSAT-I-IAF, AMSAT-WA, SPAE-AV,  
AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-IS, AMSAT-I-ILNO(IS)

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NO

APPROVED CLEANER (TYPE II, AND IIA) FOR ALL TURBINE ENGINES.

5. END ITEMS AFFECTED - ALL TURBINE POWERED ARMY AIRCRAFT.

6. ASSEMBLY COMPONENTS TO BE INSPECTED -N/A.

7. PARTS TO BE INSPECTED - N/A.

8. INSPECTION PROCEDURES - N/A.

9. CORRECTION PROCEDURES -

A. CURRENTLY B&B 3100 (MIL-C-85704, TYPE I) IS THE PRIMARY

CLEANER FOR ARMY TURBINE ENGINES AND REMAINS AN APPROVED CLEANER FOR

LOCALES WHERE ENVIRONMENTAL RESTRICTIONS PERMIT. ENGINE CLEANERS

THAT CONFORM TO MIL-C-85704, TYPE II AND TYPE IIA ARE ALSO ACCEPTABLE

ENGINE CLEANERS FOR ALL ARMY TURBINE ENGINES AND MEET EPA

ENVIRONMENTAL REQUIREMENTS. UNITS SHOULD CONTINUE USE OF B&B 3100

WHERE NOT RESTRICTED. HOWEVER, WHERE ENVIRONMENTAL RESTRICTIONS

PRECLUDE ITS USE MIL-C-85704, TYPE II AND TYPE IIA CLEANERS SHOULD BE

USED. ALTHOUGH NOT APPROVED FOR ARMY USE AT THIS TIME ENGINE

MANUFACTURERS HAVE APPROVED OTHER PRODUCTS SUCH AS ZOK-27, (T53,

T55, T63, T703,T700) AND RMC (T700 ONLY) UNTIL SUCH TIME AS THESE

PRODUCTS ARE QUALIFIED TO MIL-C-85704, ARE ADDED TO THE QUALIFIED

PRODUCTS LIST (QPL), AND THE FIELD IS SO NOTIFIED, THESE PRODUCTS

SHOULD NOT BE USED.

CF: AMSAT-R-E, AMSAT-I-IAF, AMSAT-WA, SFAE-AV,  
AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-IS, AMSAT-I-ILNO(IS)

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NO

B. APPROVED TYPE II AND TYPE IIA CLEANERS SHALL BE USED IN ACCORDANCE WITH THE EXISTING WASHING PROCEDURE IN THE APPLICABLE MAINTENANCE MANUAL EXCEPT THAT TYPE IIA CLEANERS DO NOT REQUIRE DILUTION WITH WATER. TYPE II AND TYPE IIA CLEANERS ARE NOT AS EFFECTIVE AS TYPE I CLEANERS (B&B 3100), THEREFORE MORE FREQUENT ENGINE WASHES MAY BE REQUIRED TO ACHIEVE SATISFACTORY RESULTS.

C. FOR FINAL DISPOSITION REQUIREMENTS CONTACT YOUR LOCAL ENVIRONMENTAL POC.

10. SUPPLY/PARTS AND DISPOSITION - N/A.

11. SPECIAL TOOLS, JIGS AND FIXTURES REQUIRED - N/A.

12. APPLICATION -

A. CATEGORY OF MAINTENANCE - AVUM.

B. TIME REQUIRED - N/A.

TYPE CLEANER	CONTAINER SIZE	NSN
TYPE II	5 GAL	6850-01-372-8303
TYPE II	55 GAL	6850-01-372-8304
TYPE IIA	5 GAL	6850-01-370-5245
TYPE IIA	55 GAL	6850-01-370-5244

D. TB/MWOS TO BE APPLIED PRIOR TO OR CONCURRENTLY WITH THIS INSPECTION - N/A.

CF: AMSAT-R-E, AMSAT-I-IAF, AMSAT-WA, SPAB-AV, AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-IS, AMSAT-I-ILNO(IS)

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NO

E. PUBLICATIONS WHICH REQUIRE CHANGE AS A RESULT OF THIS INSPECTION - TM 55-2840-229-23, TM 55-2840-231-23, TM 55-2840-241-23, TM 55-2840-248-23, TM 55-2840-254-23, AND 2840-256-23 SHALL BE CHANGED TO REFLECT THIS MESSAGE. A COPY OF THIS MESSAGE SHALL BE INSERTED IN THE APPROPRIATE TM AS AUTHORITY TO IMPLEMENT THE CHANGE UNTIL THE PRINTED CHANGE IS RECEIVED.

13. REFERENCES - N/A.

~~14. RECORDING AND REPORTING REQUIREMENTS - N/A.~~

15. WEIGHT AND BALANCE - N/A.

16. POINTS OF CONTACT -

A. TECHNICAL POINT OF CONTACT FOR THIS MESSAGE IS MR. GARY KELLOGG, AMSAT-R-EPE, DSN 693-1157 OR COMMERCIAL 314/263-1157.

B. SAFETY POINT OF CONTACT FOR THIS MESSAGE IS MR. LYELL MYERS, AMSAT-R-X, DSN 693-2438 OR COMMERCIAL 314/263-2438.

C. FOREIGN MILITARY SALES (FMS) RECIPIENTS REQUIRING CLARIFICATION OF ACTION ADVISED BY THIS MESSAGE SHOULD CONTACT MW5 JAY NANCE/MR. RON VAN REES, AMSAT-I-IA, DSN 693-3826/3659 OR COMMERCIAL 314/263-3826/3659.

D. AFTER HOURS CONTACT ATCOM COMMAND OPERATIONS CENTER (COC) DSN 693-2066/7 OR COMMERCIAL 314/263-2066/7.

CP: AMSAT-R-E, AMSAT-I-IAP, AMSAT-WA, SFAE-AV, AMSAT-I-ILNO(RAAF), AMSAT-I-LOS(AOC), AMSAT-I-IS, AMSAT-I-ILNO(IS)

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