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File
cc Op Letter

S E C R E T

CWG278 28/1733 148C3811

FOR CWG

IMMEDIATE/IMMEDIATE 281503Z MAY 8

FROM) CTF 317
 TO) GTG 317.0
) GTG 317.8
) GTG 317.1
) CTU 317.1.1
 INFO) MODUK NAVY
) ASWE PORTSDOWN
) CDE IPORTON
) FOF3
) FONAC
) TU 317.8.1
) HMS FEARLESS
) HMS INTREPID
) CINCFLEET PORTSMOUTH

S E C R E T
 SIC 19F/HEH
 OPERATION CORPORATE
 ASWE FOR XA/XAZ CDE FOR NEO.

PAGE 2 RB DEC B0508 S E C R E T
 SMOKE SCREEN GENERATION

1. TRIALS BY CDE/ASWE HAVE SHOWN EXCELLENT WHITE SMOKE SCREEN GENERATED BY INJECTION OF STANDARD DIESEL INTO EXHAUST SYSTEMS OF LYNX AND ROVER FIRE PUMP. 45 GAL DRUM WILL GIVE 5-10 MINS SCREEN LAYING FOR LYNX 15-MINS FOR ROVER.
2. LYNX FLYING INTO WIND AT 100 FEET CAN PRODUCE SCREEN TO SEA LEVEL 100 FT IN WIDTH. ROVER GIVES SCREEN 30 FEET HIGH 30 FEET IN WIDTH WITHOUT AFFECTING FIRE FIGHTING ABILITY.
3. NECESSARY MODS WITHIN SS CAPABILITY. 3 HRS APPROX TO MAKE.
4. ACTION IN HAND TO DESPATCH LAND SMOKE GENERATING POTS.
5. DESCRIPTION AND DETAILS OF LYNX SYSTEM WILL BE SIGNALLED BY FOF3
6. DESCRIPTION OF ROVER SYSTEM. FIRE PUMP SEA WATER CONNECTIONS AS STANDARD OR RECIRCULATION USING 45 GAL DRUM. TURBINE EXHAUST COOLING

SYSTEM DISCONNECTED FROM WATER SUPPLY AND RECONNECTED VIA AIR DRIVEN GRACO PUMP TO DIESEL

7. DETAILS. IN GRACO FUEL DELIVERY LINE INSERT RESTRACTOR ORIFICE 0.150 INS DIAM AND FUEL CONTROL TAP. (LATTER PREVENTS FUEL SYPHONING ON SHUT DOWN) CONNECT GRACO PUMP TO LP AIR LINE. 70 PSI FOR BEST RESULTS. ELONGATE ROVER TURBINE EXHAUST BY ATTACHING TUB 10.25 INS

S E C R E T

INTERNAL DIAM 30 IRS LONG 16 SVG TO EXISTING PIPE. LAG TUBE FOR

PAGE 03 RBDEC 80508 SECRET

BETTER PERFORMANCE IN COLD WEATHER

8. OPERATION. RIG PUMP FORE AND AFT WITH EXHAUST PIPE HAVING POSITIVE DOWNWARD ATTITUDE TO MINIMIZE RISE OF UNVAPORIZED FUEL RUNNING BACK INTO TURBINE. IF RIGGED INBOARD DRIP-TRAY TO COLLECT ANY UN-VAPORIZED FUEL RECOMMENDED. START-UP ROVER. OPEN WATER DELIVERY VALVE. OPEN GRACO FUE CONTROL TAP. START GRACO PUMP.

9. SAFETY. SMOKE SCREEN FROM BOTH LYNX AND ROVER IS NON-FLAMMABLE/ NON-EXPLOSIVE

BT

CONSIDER FOR LOWEN

DISTRIBUTION 19F

- N-
- CXM 1 DSC(NAVY OPS) ACTION (CXU 1 ONOT(OO))
- CWP 1 ACNS(O)
- CBT 3 BATH SUPP GROUP
- CAF 3 CGRM
- CWS 1 CNS
- CXK 2 COSSEC
- CAG 2 DGNPS
- CYG 1 DIC
- CWN 1 DOMS
- CWG 1 DS 5
- GXK 1 DSC(ROW)
- CAT 4 DST(FMV)

DISTRIBUTION HEH

- N-
- CBJ 4 DGA(N) ACTION (CWV 1 RCDO(N))
- CXV 1 DNAW