SEMAT I

USS COLE (DDG-67)
INTERNAL VIDEO VENTILATION ASSESSMENT

PERFORMED BY
SUPERVISOR OF SHIPBUILDING CONVERSION & REPAIR
PORTSMOUTH, VIRGINIA
SUPSHIP: A. PUGH / QED: T. BENTON & L. HOLLIS

SUMMARY

A ventilation duct internal inspection was accomplished IAW the requirements of References (a) and (b), on board the USS COLE (DDG-67) from 05 JANUARY thru 18 JANUARY 2002 during a SEMAT I visit at NORTHROP GRUMMAN SHIP / SERVICES in PASCAGOULA , MISSISSIPPI . The duct internal inspection determines the structural integrity (rust, wear, damage) and cleanliness (grease, dust, foreign matter) of the recirculation, exhaust and supply vent systems. Form 4790-2Ks were utilized to document discrepancies and were furnished for inclusion into the USS COLE's Current Ship's Maintenance Project (CSMP). A proposed SUPSHIP, Portsmouth's Maintenance Repair Card (MRC), 5111-1 was used for the inspection criteria. The following pages have descriptions and pictures of the discrepancies discovered.

REFERENCES

a) COMNAVSURFLANT Continuous Maintenance Implementation /Improvement Policy Letter 09- Ventilation System Cleaning Policy Letter Ser N432A/1014 D dated 03 AUG 1999.

b) COMNAVSURFLANT Message R091100Z Aug l999 Shipboard Ventilation Cleaning Policy.

FOLLOWING SYSTEMS NEED CLEANING					
SYS. NO.	TYPE	JSN. NO.	PG .NO.	COMPARTMENT	DC. PG.
E01-114-3	EXHAUST	CA01- P015	4	1-18-0-Q SONAR # 1	II(i)35
E01-146-1	EXHAUST	EA01- P025	5	4-126-0-E AMR # 1	II(i)41
E01-163-1	EXHAUST	SS05- P002	6	02-158-3-L OFFICER WR. WC. & SH.	II(i)44
E01-215-2	EXHAUST	NH01- P002	7	1-238-1-Q WARD BATH	II(i) 47
E01-215-4	EXHAUST	NH01- P001	8	1-238-1-Q WARD BATH	II(i) 47
E01-308-2	EXHAUST	SS03- P002	9	2-414-0-Q LAUNDRY	II(i) 54
E01-309-2	EXHAUST	SS03- P001	10	2-414-0-Q LAUNDRY	II(i) 56
R03-156-2	RECIRC.	SS05- P004	11	02-158-4-L WARDROOM GALLEY	II(i)59
R02-144-2	FCA	SS05- P006	12	02-126-4-L WARDROOM MESS	II(i)56
R02-169-1	FCA	SS05- P003	13	02-154-1-L PASSAGE	II(i)57
R1-24-1	RECIRC	CA01- P014	14	1-18-0-Q SONAR # 1	II(i)26
R1-221-1	FCA	NH01- P003	15	1-220-3-L MED. TREATMENT RM.	II(i) 29
R1-248-1	RETURN	SS02- P009	16	1-220-01-L CREW MESS	II(i) 29
R3-350-1	FCA	NX01- P002	17	3-338-1-L FEMALE BERTHING	II(i) 21
S01-136-1	SUPPLY	SS05- P005	18	02-126-4-L WARDROOM MESS	II(i)39
S2-270-1	SUPPLY	EM02-P022	19	4-254-0-E ENGINE RM. # 2	II(i)24

THE FOLLOWING SYSTEMS DO NOT NEED CLEANING	
E01-191-1 EXHAUST	4-174-0-E ENGINE RM. # 1
E01-208-1 EXHAUST	01-205-0-Q BATTERY CHG. RM.
E01-243-1 EXHAUST	4-254-0-E ENGINE RM. # 2
E01-248-1 EXHAUST	3-338-5-L CREW WR.,WC.&SH.
E01-255-2 EXHAUST	4-254-0-E ENGINE RM. # 2
E01-258-2 EXHAUST	4-220-0-E AMR # 2
R1-24-2 RECIRC.	1-18-0-Q SONAR # 1
R1-119-1 RECIRC.	1-110-1-L FEMALE CPO BERTHING
R1-174-1 FCA	1-174-0-L CPO MESS & LOUNGE
R2-105-2 FCA	2-78-01-L CREW BERTHING
R2-314-2 FCA	2-300-01-L CREW BERTHING
R2-347-1 FCA	2-347-1-L CPO BERTHING
R3-98-1 FCA	3-97-02-L CREW BERTHING
R3-323-1 FCA	3-319-0-Q PWR. CONV. RM.
R3-333-1 FCA	3-319-0-Q PWR. CONV. RM.
R3-350-1 FCA	3-300-1-L FEMALE BERTHING
R3-407-1 RECIRC.	3-370-0-E GEN. RM. # 2
S01-124-1 SUPPLY	1-18-0-Q SONAR # 1
S01-150-1 SUPPLY	4-126-0-E AMR # 1
S01-150-3 SUPPLY	4-126-0-E AMR # 1
S01-201-2 SUPPLY	1-238-1-A SCULLERY
S01-217-1 SUPPLY	01-205-0-Q BATTERY CHG. RM.
S01-252-2 SUPPLY	3-300-1-L FEMALE BERTHING
S01-301-2 SUPPLY	3-370-0-E GEN. RM. # 2
S01-305-2 SUPPLY	3-370-0-E GEN. RM. # 2
S2-203-1 SUPPLY	4-174-0-E ENGINE RM. # 1
S2-262-2 SUPPLY	4-254-0-E ENGINE RM. # 2
S3-251-2 SUPPLY	4-220-0-E AMR # 2

EXHAUST SYSTEM E01-114-3
1-18-0-Q SONAR # 1
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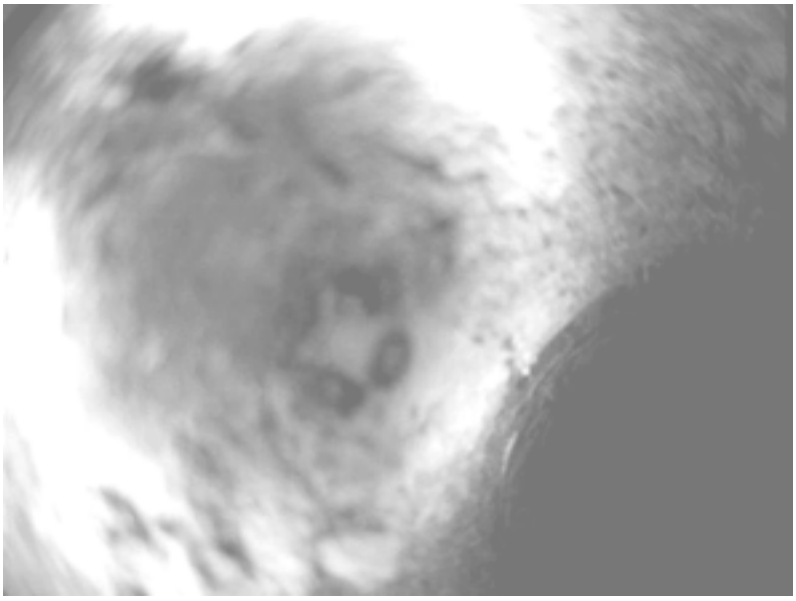

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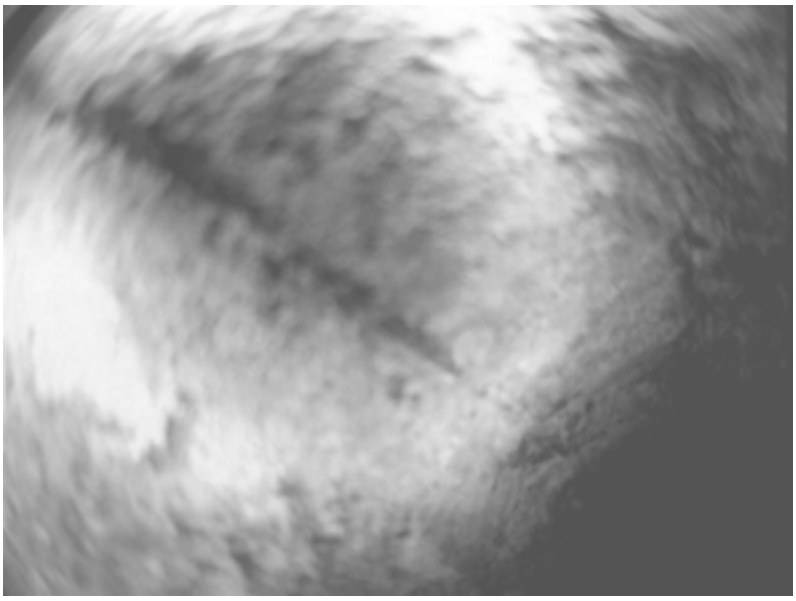

EXHAUST DUCT E-1-146-1
4-126-0-E AMR # 1
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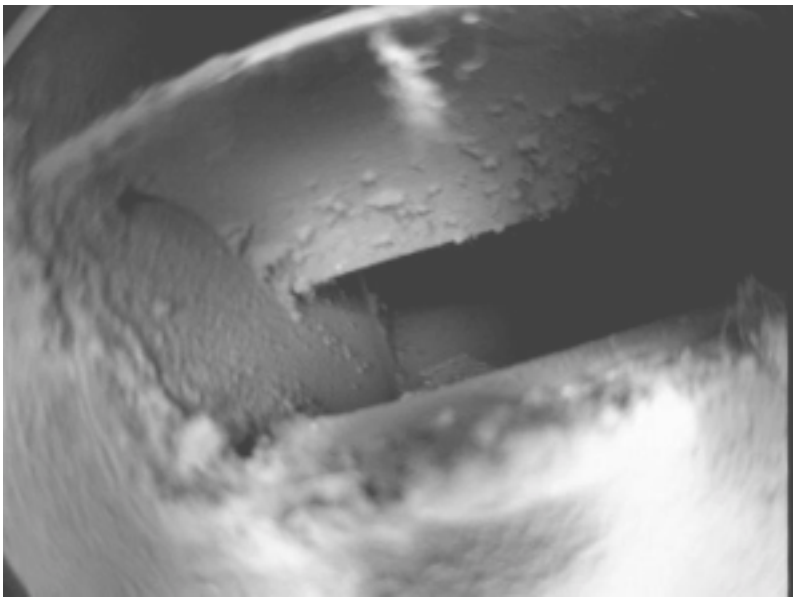

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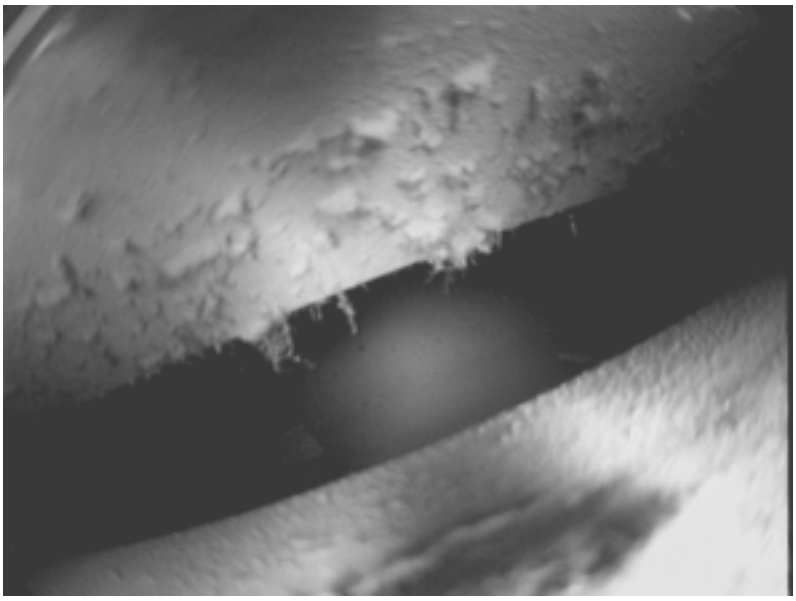
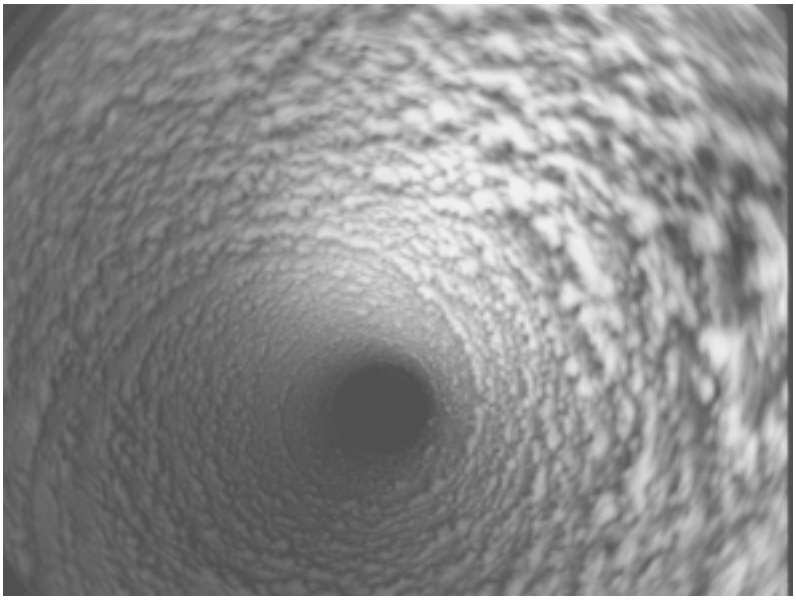


EXHAUST DUCT E01-163-1
02-166-2-L OFFICER WR.WC. &SH.
PIC. # 1



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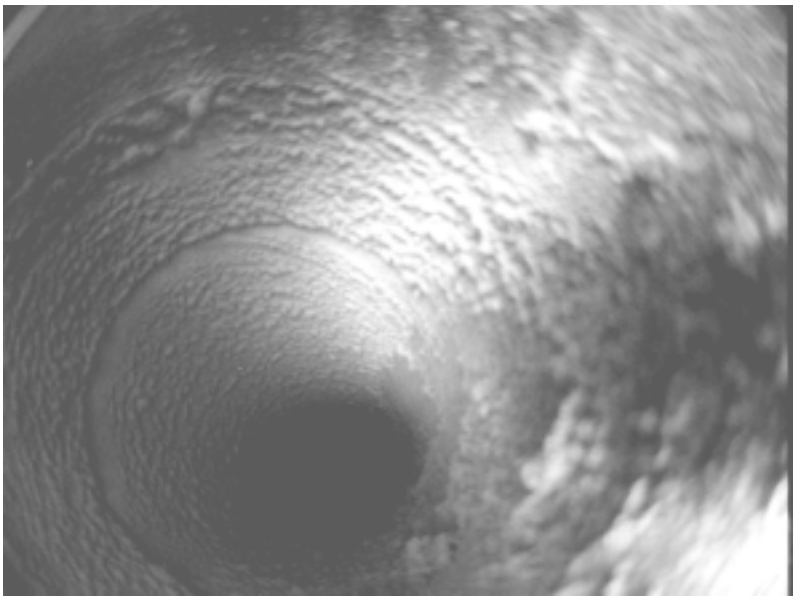

EXHAUST DUCT E01-215-2
1-238-1-Q MED. TREATMENT RM.
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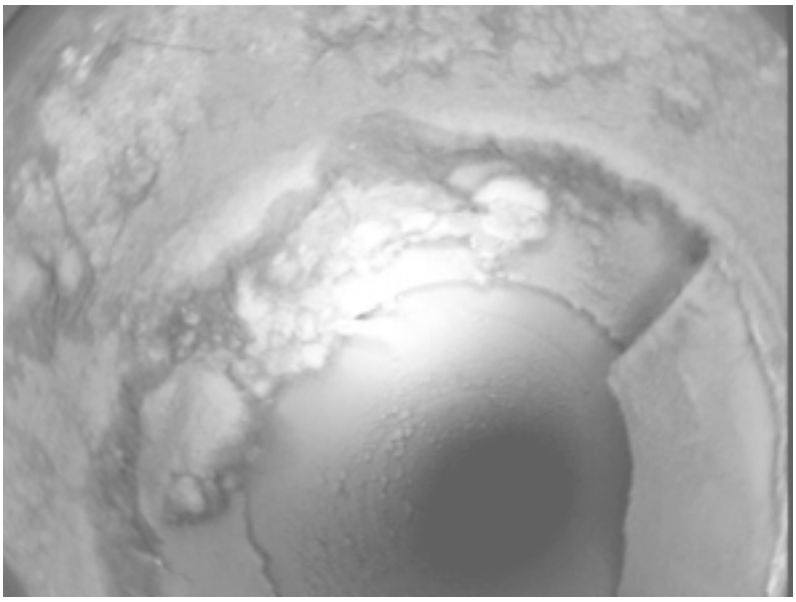

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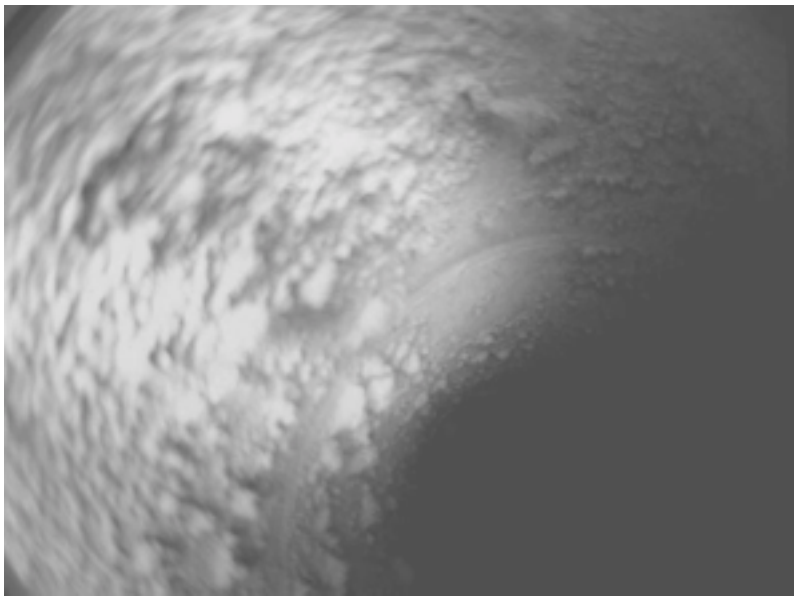

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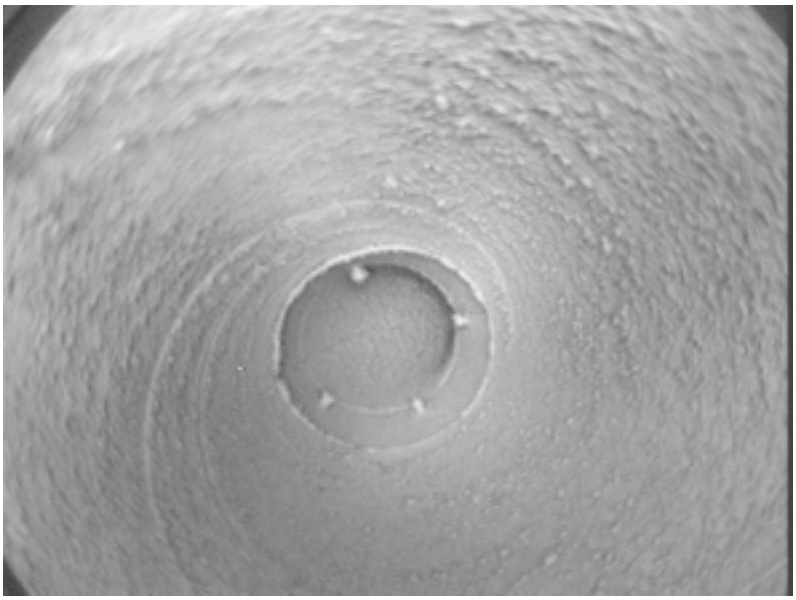

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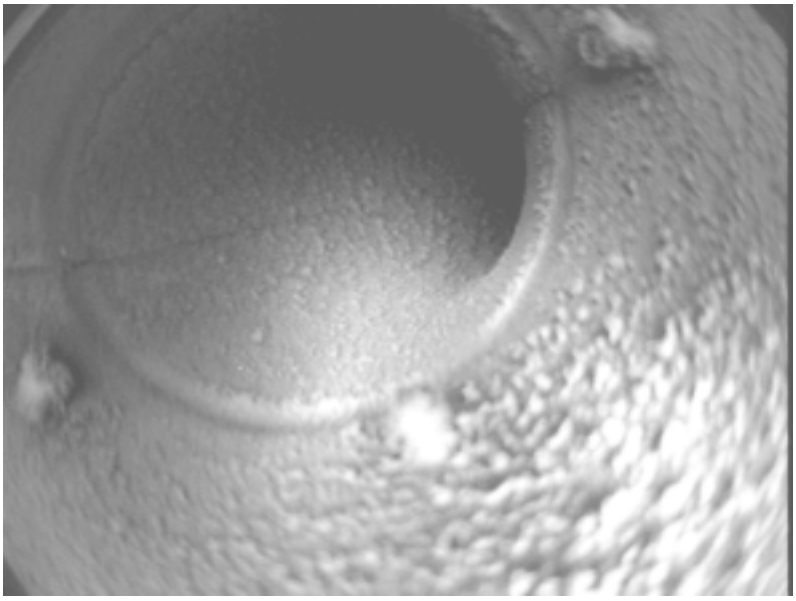

EXHAUST DUCT E01-308-2
2-414-0-Q LAUNDRY
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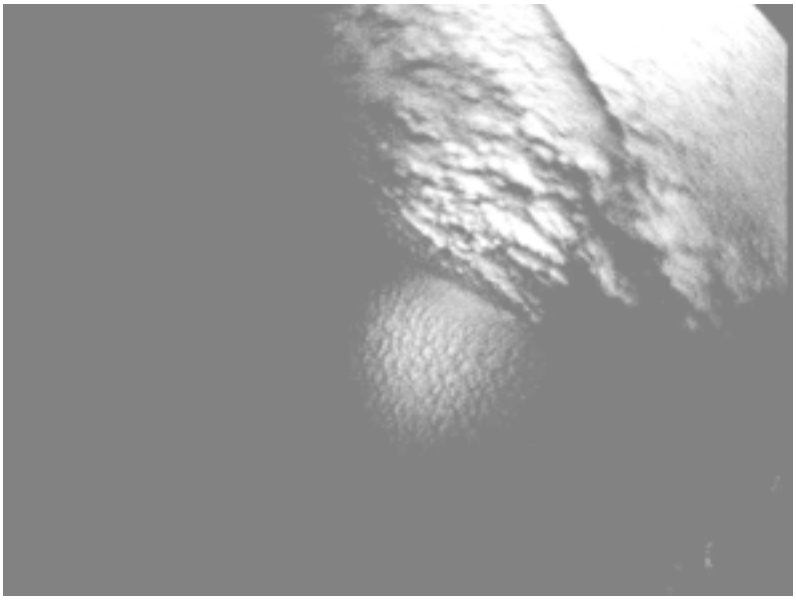

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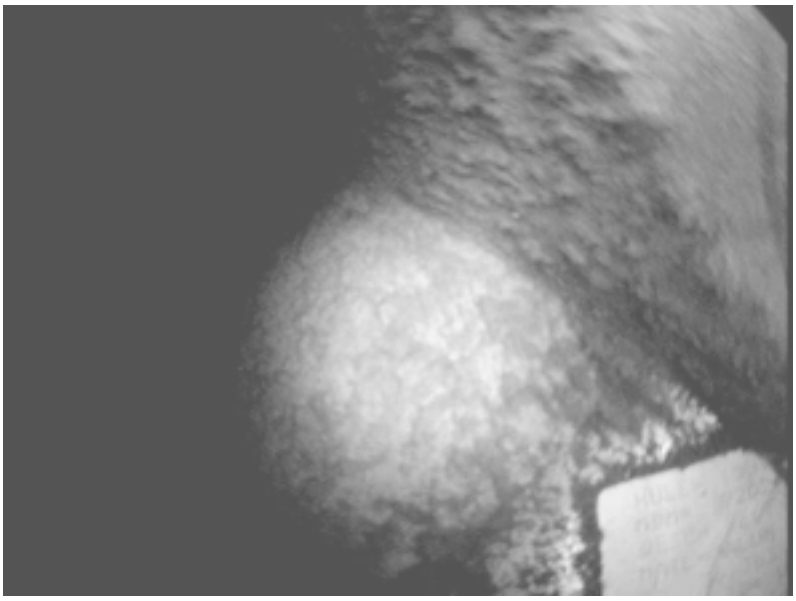
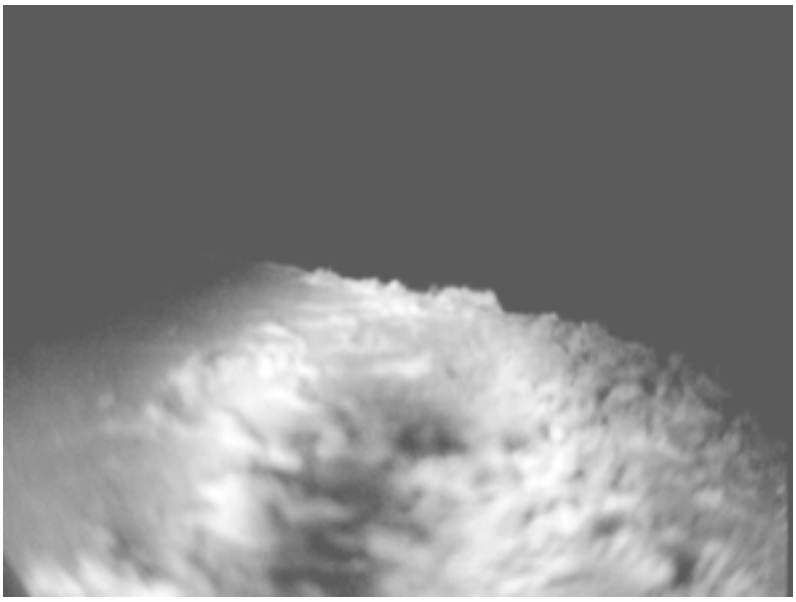


EXHAUST DUCT E01-309-2
2-414-0-Q LAUNDRY
PIC. # 1



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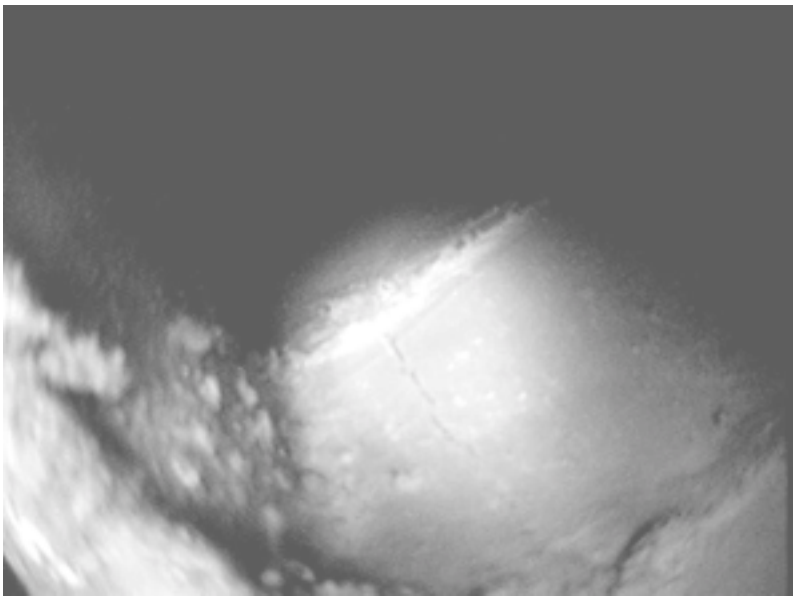
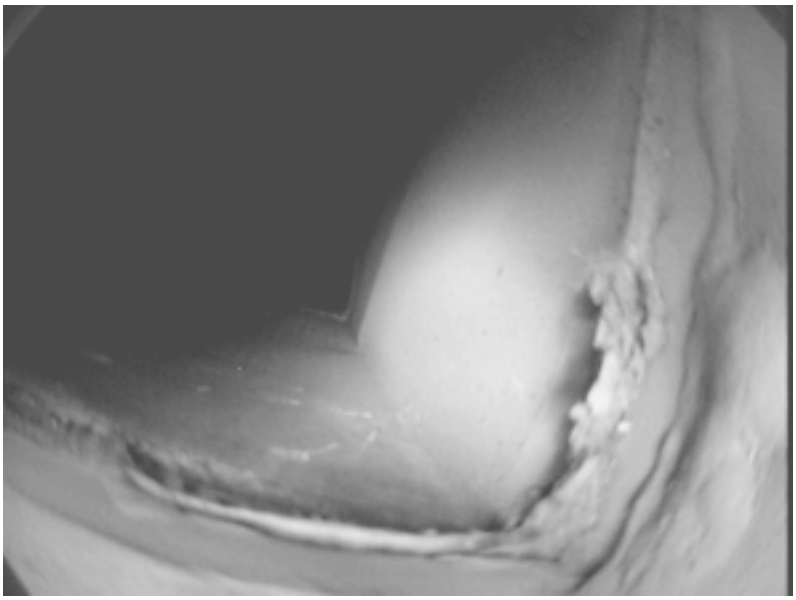
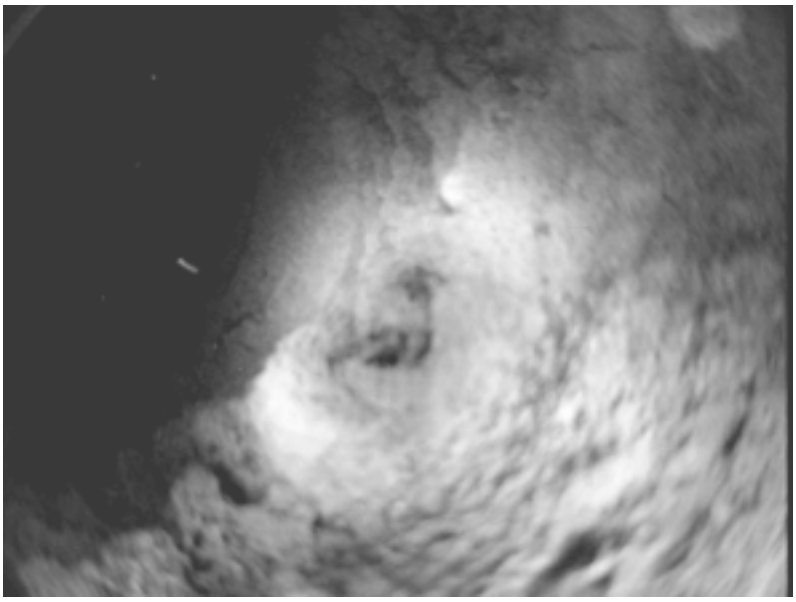


RECIRC. DUCT R03-156-2
02-158-4-L WARDROOM GALLEY
PIC. # 1

PIC. # 2



FCA DUCT R02-144-2
02-126-4-L WARDROOM
PIC. # 1



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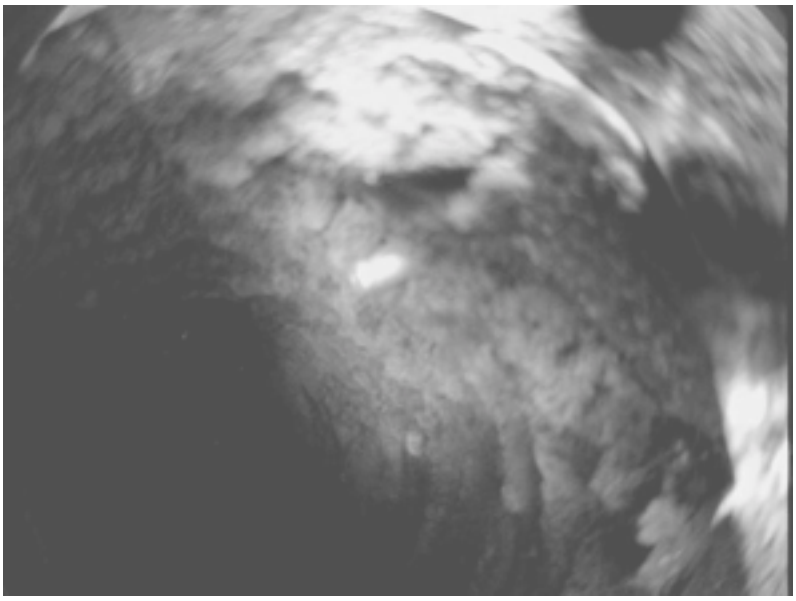

FCA DUCT R02-169-1
02-154-1-L PASSAGE
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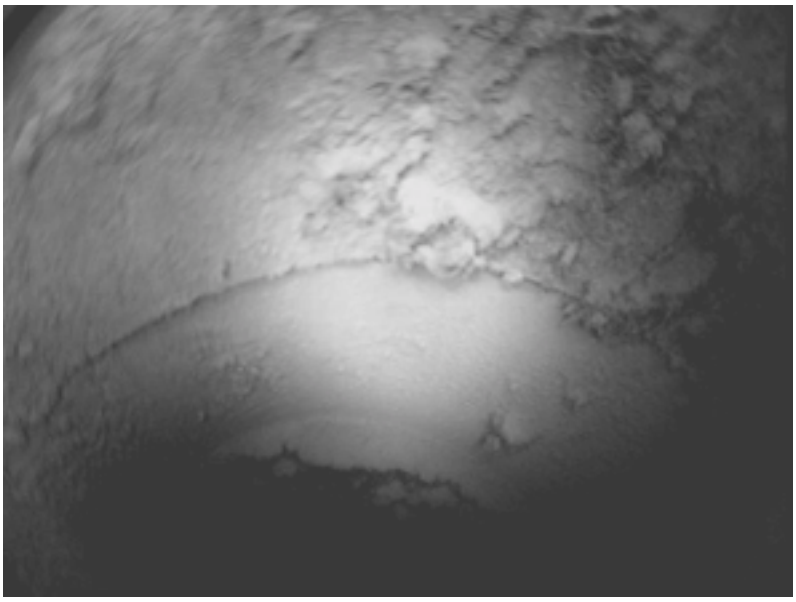

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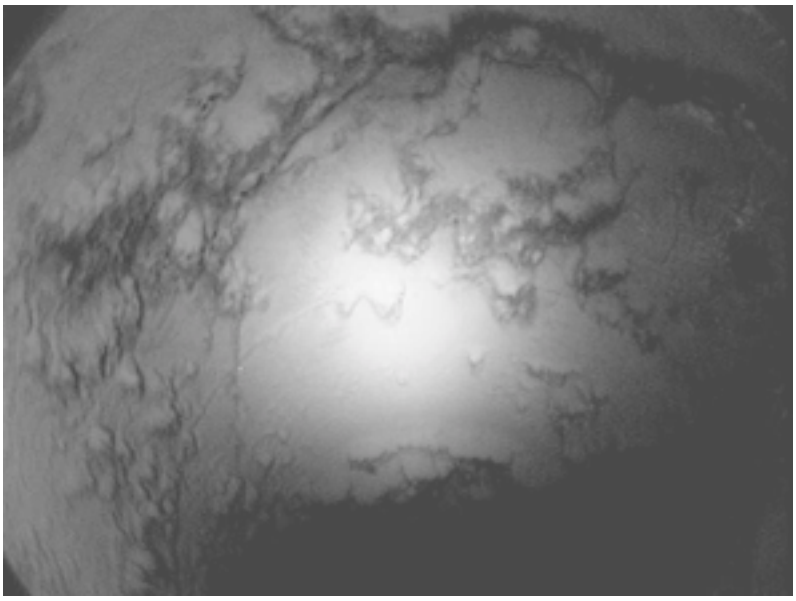
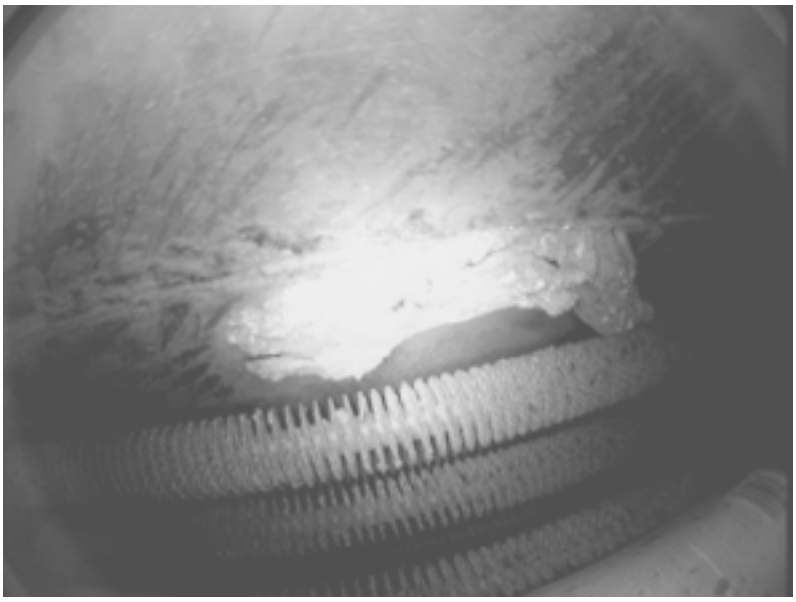


RECIRC. DUCT R1-24-1
1-18-0-Q SONAR # 1
PIC. # 1



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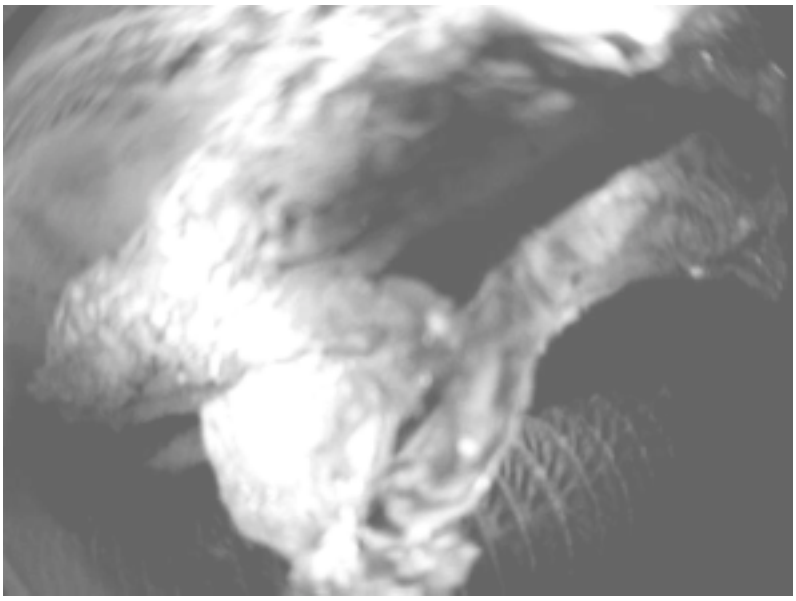
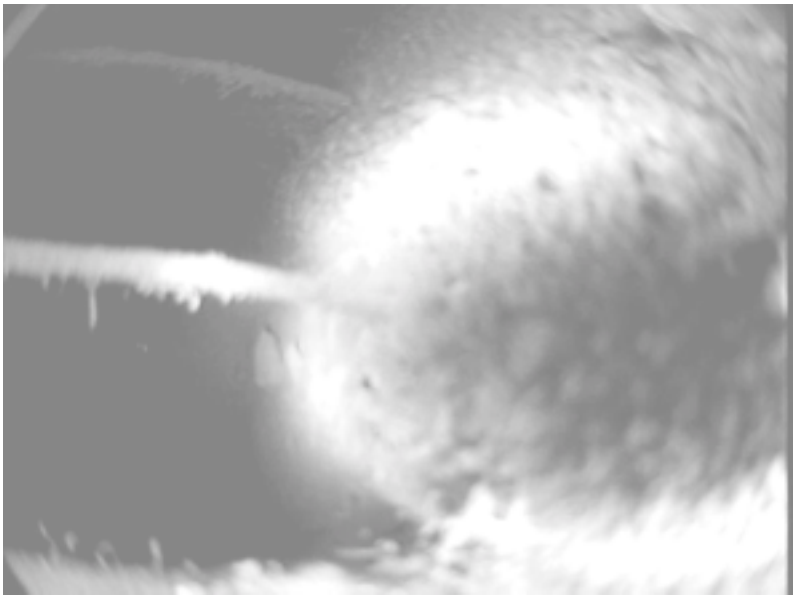
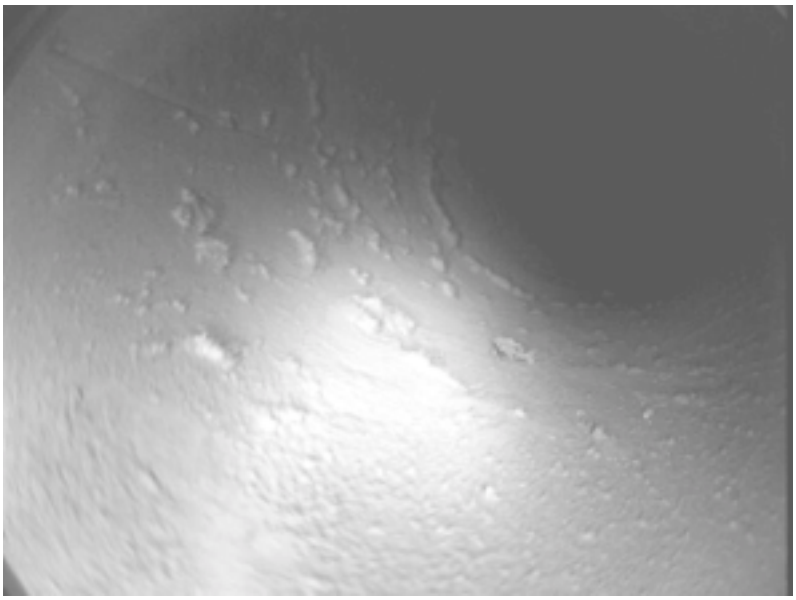


FCA DUCT R1-221-1
1-220-3-L MED. TREATMENT RM.
PIC. # 1



PIC. # 2

FCA DUCT R1-248-1
1-220-01-L CREW MESS
PIC. # 1



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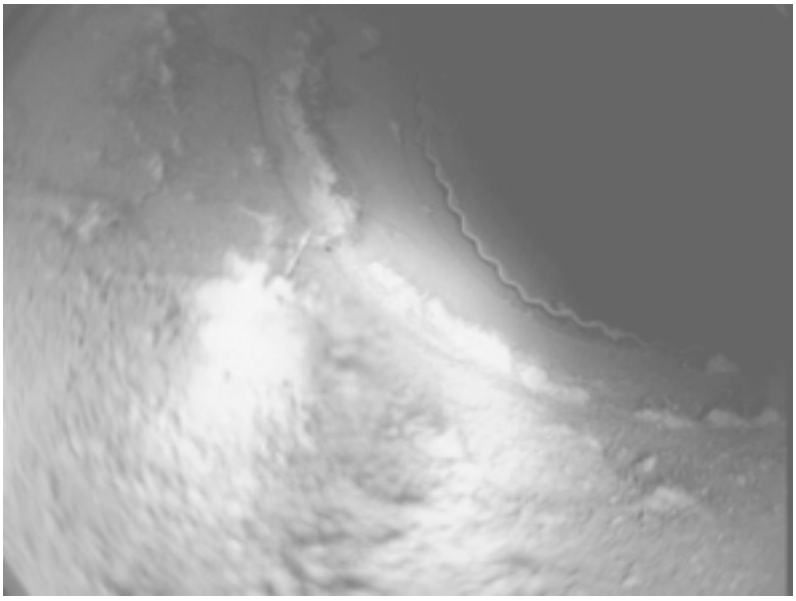
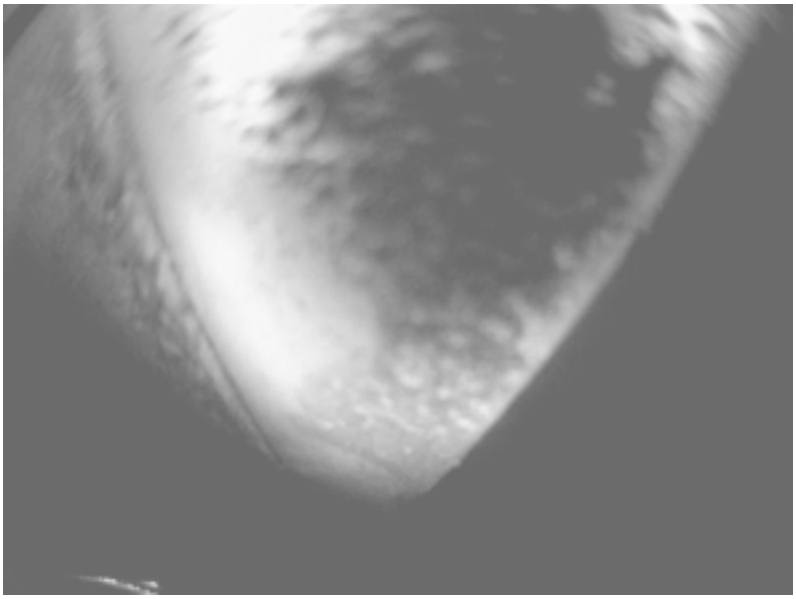


FCA DUCT R 3-350-1
3-338-1-L FEMALE BERTHING
PIC. # 1



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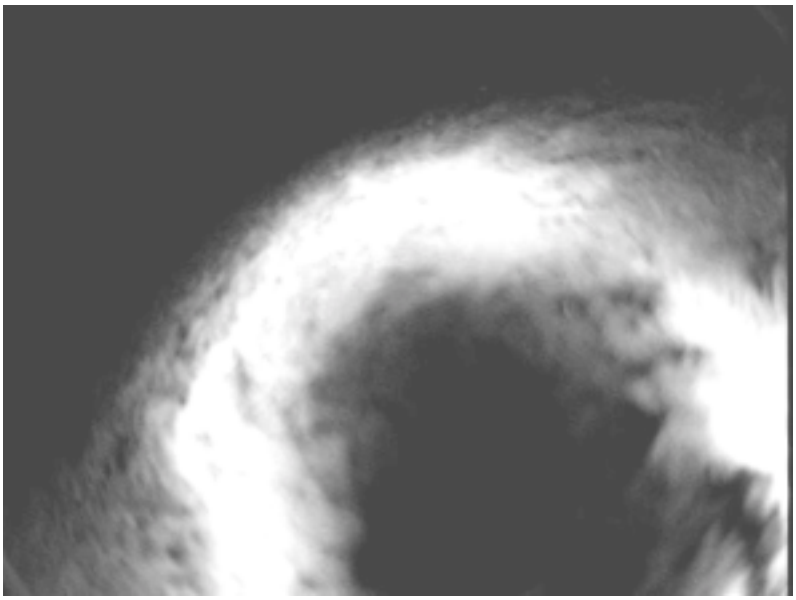
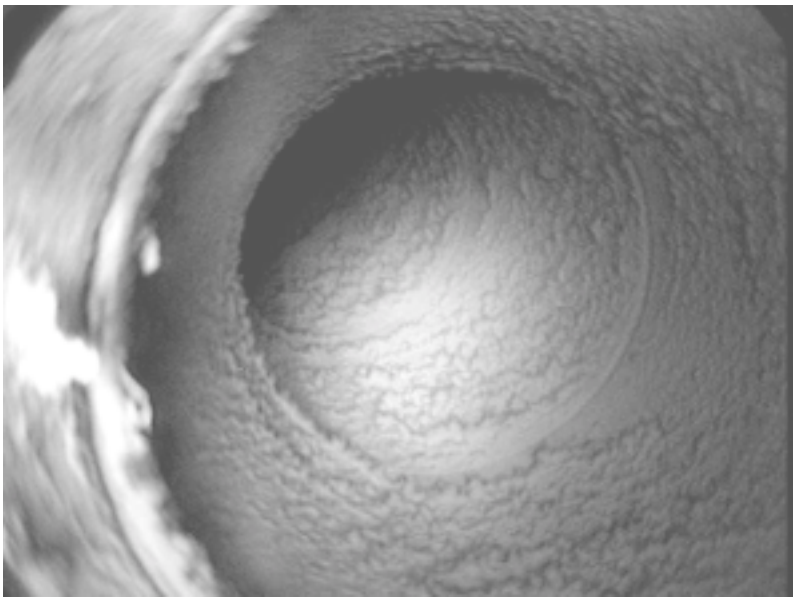


SUPPLY DUCT S01-136-1
02-126-4-L WARDROOM
PIC. # 1



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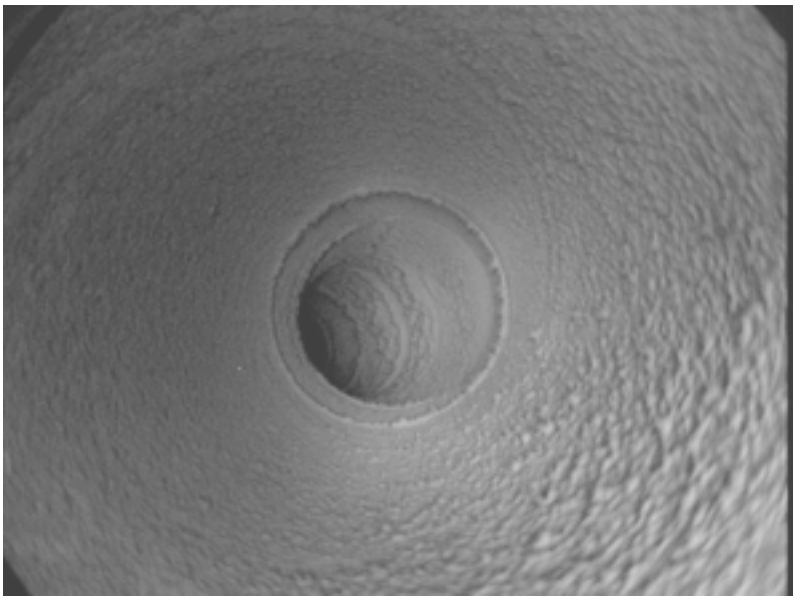
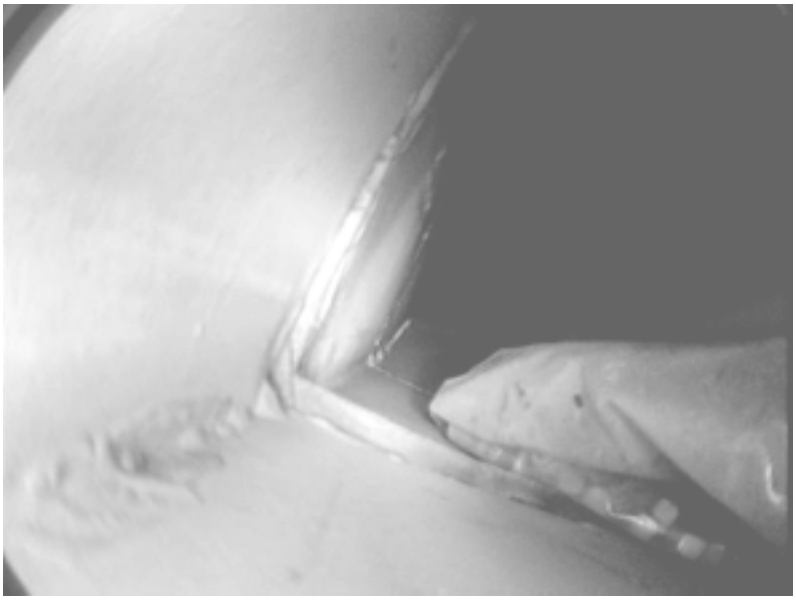
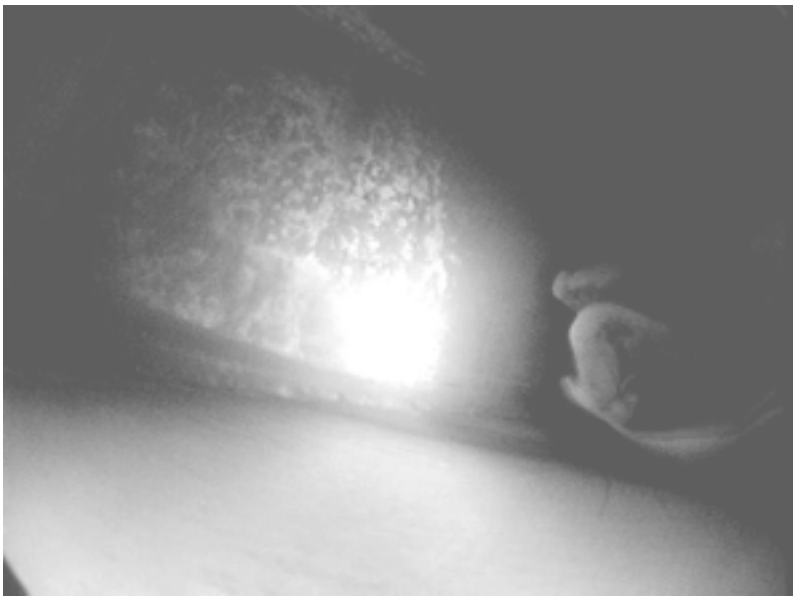


SUPPLY DUCT S2-270-1
4-254-0-E ENGINE RM. # 2
PIC. # 1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