

YEARS FLYING EXPERIENCE: 20 December 1943
 MONTH: 12 DAY: 23
 PILOT'S NAME: [Blank] HOURS FLYING EXPERIENCE: [Blank]

NAME AND RANK OF PILOT: **44 10 86**
COX, Joseph E., 2nd Lt
 SERVICE AND GROUP: **AVN USNR**
 ORGANIZATION: **VF-20**
 DATE OF PILOT RATING: **7-16-43** FLYING EXPERIENCE (YEARS): **1**
 HRS. THIS MODEL LAST 3 MOS.: **10.2** TOTAL HOURS: **413.1**
 PREVIOUS ACCIDENT RECORD: **Clear**
 INJURIES: **None**

LOCATION: **Coronado, Calif.**
 PURPOSE OF FLIGHT: **Test Flight**
 FLYING OR LANDING CONDITIONS: **No factor**

NAME AND RANK OF OTHER PERSONNEL: **None**

ANALYSIS
 Pilot took off for a test hop. After climbing 8,000 feet, the oil pressure dropped to zero. Pilot immediately attempted to return to the field but, due to cloud conditions, a round-about course had to be followed. During the descent the throttle and RPM were reduced to 20" Hg and 1700 RPM. Shortly after selecting 1700 RPM the engine speeded to about 2500 RPM and, later still, higher. After the second surge in RPM the engine froze. A water landing was made 300 yards off the beach. Engine was torn down and examined by A&R. Further investigation of the engine showed that the pistons of the front bank, and the master rod were broken and bent, and that the counter balances were sheared and the plane bearings frozen.

AIRCRAFT: **VF (L)**
 MODEL AND NUMBER: **F6F-3 410276**

DAMAGE	A	B	C	D	E	M	REMARKS
AIRPLANE	X						Total loss.
ENG. 1	X						
ENG. 2							
ENG. 3							
ENG. 4							
ENG. 5							

NATURE OF ACCIDENT: **B-1**

PERCENTAGE EACH CAUSE

100% PP (lubrication system)

U. S. NAVY BUREAU OF AERONAUTICS AIRCRAFT TROUBLE ANALYSIS Form N. 100, 2-4-4

AIRCRAFT CLASS: [Blank] NATURE OF DAMAGE: [Blank]