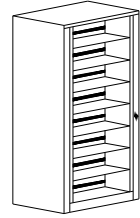




ROTARY FILE

METHODOLOGY & RESULTS OF DIRECT LINE ROTARY FILE BASE ENDURANCE TESTING



UNIT TESTED

A new Direct Line Rotary File Model 7S-L seven high letter size unit was randomly selected from inventory. Its canopy top was connected to a timer-controlled, reversing motor drive geared to replicate the force and speed of human operation. The same Rotary File unit was used during the entire test during which no component was ever replaced. However, equipment used to conduct the test, exclusive of the Rotary File itself, did require periodic maintenance including twice replacing a worn out motor.

CYCLE SEQUENCE

Each "cycle" consisted of a four part movement: clockwise rotation 1/4 turn from closed to open, clockwise rotation 1/4 turn from open to closed, counterclockwise rotation 1/4 turn closed to open, and counterclockwise 1/4 turn from open to closed. Each four-part cycle was separated by a two second rest period.

LOADING

Cycles were run with the Rotary File loaded on one side only with 54 lbs per shelf (378 lbs total) and fully loaded with 54 lbs per shelf on both sides (756 lbs total).

TEST PERIODS

	<u>FULLY LOADED CYCLES</u>	<u>HALF LOADED CYCLES</u>	<u>TOTAL CYCLES</u>
July, 1993	20,000	9,200	29,200
March, 1994	<u>27,009</u>	<u>14,087</u>	<u>41,096</u>
	47,009	23,287	70,296

May, 1994—Management decided to resume "fully loaded" cycles continuously during working hours "until something on the Rotary File breaks".

May 4, 1994 to Dec. 12, 1994	659,205	-0-	729,501
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Dec. 12, 1994—After 729,501 complete cycles, the test equipment failed beyond simple repair. Management decided to cease testing and had the test equipment disconnected from the Rotary File.

FINAL DETERMINATION: THERE WAS NO DISCERNABLE CHANGE IN THE UNIT'S OPERATION AFTER THE EQUIVALENT OF MORE THAN 56 YEARS OF 250 CYCLES PER WEEK.

Phone:
800-822-4000