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THE DE HAVILLAND AIRCRAFT OF CANADA, LIMITED

REPORT ALL DRAWING ERRORS TO
ENGINEERING

REVISIONS

CHANGE	ITEM NO.	ZONE	DESCRIPTION	MOD. NO.	DATE	DRAWN	CHECKED	STRESS	APPROV.
E			REDRAWN - WAS "B" SIZE SH. ADDED - DYNAMOMETER TEST FOR TIRES DELETED - MAXIMUM TRANSIENT LOADING ... 12540 LB	7/2/08	SEPT 9/01	G. SAWYERS	K. HARGREAVES	W. KRAUSE	

Rim Dimensions	6.50-10, per Tire and Rim Association 1972 Year Book, page 9-16, with $g = 1.30$.
Size	6.50-10 or of equivalent envelope.
Maximum static loading with aircraft unbraked	2,775 lb
Maximum sustained loading due to steady braking	6,220 lb
Ply rating and inflation pressure	10 P.R. 100 psi
Skid Depth	0.20" Nominal
Tread Pattern	Ribbed
Speed Rating	125 kts, minimum
Acceptable Unbalance	12 in. oz. maximum
Air Containment	Tubeless
Weight	15.0 lb max. at nominal skid depth
Standard of Approval	FAR, Pt 37-TSO C62b

Approved Source of Supply			
Dwg. No.	Suppliers	Manuf. Part No.	Code Ident.
DSC 131-1	Dunlop Company, Coventry, England	DR12326T	

SOURCE CONTROL DRAWING

ONLY THE ITEM(S) LISTED ON THIS DRAWING AND IDENTIFIED BY VENDOR'S NAME(S), ADDRESS(ES) AND PART NUMBER(S) HAVE BEEN APPROVED BY THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED FOR THE USE IN DHC AIRCRAFT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE DE HAVILLAND AIRCRAFT OF CANADA LTD.

DYNAMIC BRAKING PEAK OF 8200LB.

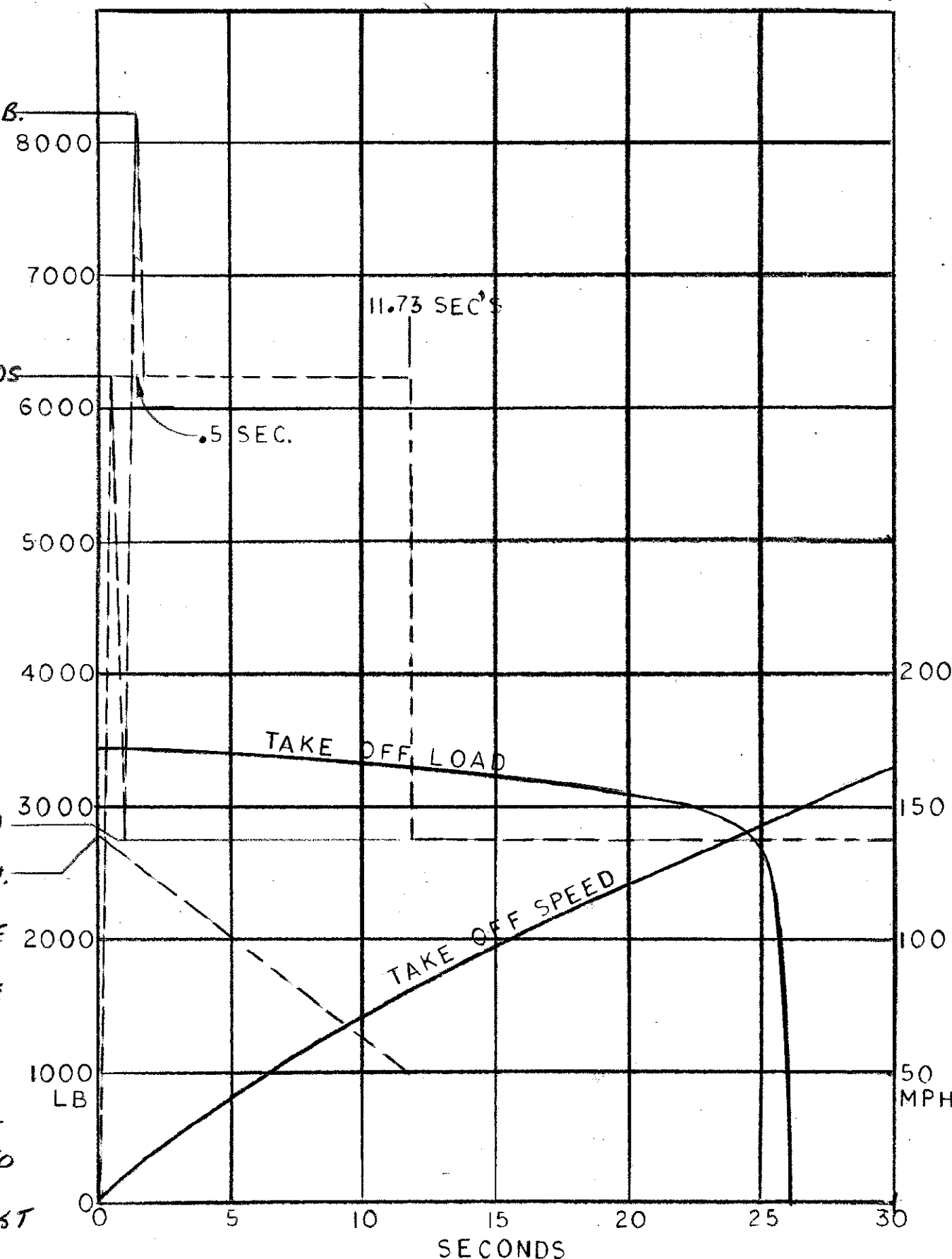
INITIAL IMPACT AND STEADY BRAKED LOADS OF 6220LB.

INITIAL REBOUND AND STEADY UNBRAKED LOADS OF 2775LB.

SPEED DROPS FROM 130 TO 50MPH. AT A RATE OF 10 FT/SEC² DURING A PERIOD OF 11.73 SEC'S OVER A DISTANCE OF 1549 FT. THEREAFTER LOAD AND SPEED ARE CONSTANT FOR A DISTANCE OF 3000 FT.

LOAD/SPEED/TIME DYNAMOMETER TEST CONDITIONS FOR DHC7 NOSE TIRES.

NOTE THIS DATA REPRESENTS A TEST STANDARD ACCEPTABLE TO DHC. TO ESTABLISH ADEQUACY OF TIRES. TESTING BASED ON THIS DATA MUST HAVE F.A.A. APPROVAL.



DO NOT SCALE DWG

NEXT ASS'Y	USED ON	NO. RECD PER A/C	EFFY.
PART NO.			

ZONE	SHEET	CODE	PART NO.	DESCRIPTION	MATERIAL	MATL. SPEC.	FINAL HEAT TREAT	PROT. FINISH
F19				EPOXY ZINC CHROMATE PRIMER	P.P.S. 34.08			
C1				ALODINE	P.P.S. 32.01			
E1				CADMIUM PLATE	P.P.S. 33.01			
A1				ANODIZE	P.P.S. 32.03			
CODE				PROTECTIVE TREATMENT	DE HAVILLAND PRODUCTION PROCESS SPECN.			

REQUIREMENTS - UNLESS OTHERWISE SPECIFIED	MOD NO.
GENERAL	DRAWN
1. DIMS ARE IN INCHES	CHECKED
2. SURFACE ROUGHNESS 125 $\sqrt{\text{MAX}}$	APPROVED
3. REMOVE SHARP EDGES .015 MACHINE PARTS	STRESS
4. EDGE FINISHING OF PARTS IN ACCORDANCE WITH P.P.S. 27-02	STD., M.&P.
5. THREADS IN ACCORDANCE WITH MIL-S-7742	CH. DRAFTN.
	TECH. DES.
	VA. OPS.
LIMITS	
1. DECIMALS 1 PLACE $\pm .1$	
2. " $\pm .03$	
3. " $\pm .010$	
2. DIMENSIONS & TOLERANCES APPLY AFTER PLATING	
3. ANGLES $\pm 0^{\circ}30'$	
PRODUCTION PROCESS STANDARDS (P.P.S.) AND OTHER STANDARDS LISTED ON DWG. IN ADDITION TO THOSE STANDARDS CALLED UP IN THE FIELD OF THIS DRAWING SHALL FORM PART OF THIS DRAWING FOR ALL MANUFACTURING AND QUALITY REQUIREMENTS.	

LIST OF MATERIAL	MOD NO.
	DRAWN
	CHECKED
	APPROVED
	STRESS
	STD., M.&P.
	CH. DRAFTN.
	TECH. DES.
	VA. OPS.

THE DE HAVILLAND AIRCRAFT OF CANADA, LIMITED DOWNSVIEW ONTARIO			
DRAWING TITLE TIRE NOSE LANDING GEAR 650x10 10 PLY			
DWG. SIZE C	CODE IDENT. NO. 71867	DRAWING NO. DSC131	RELEASE D
SCALE	WGT. CALC.	ACTUAL	SHT. OF SHT.