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LIST OF CURRENT SHEETS

SHEET	1										
REV	NC										

FOR ORIGINAL SIGNATURES SEE THE ENGINEERING STANDARDS APPROVAL RECORD

DRAWN	B. McDONALD	TITLE: TIRE, NOSEWHEEL, DHC-8 SER 200 18 x 5.50 - 8	DSC 476 PAGE 1 OF 1 12 FEB 97 Revision: -
CHECKED	---		
STRESS	---		
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August 16, 1996

Engineering Procurement Specification Tires DHC-8 Aircraft

DOCUMENT: EPS 8/10-14

Issue. C

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ENGINEERING DOCUMENT

SUMMARY

DOC NO.: EPS 8/10-14

ISSUE: C

DATE: August 16, 1996

PAGE: 1

TITLE

**ENGINEERING PROCUREMENT SPECIFICATION
MAIN LANDING GEAR
DHC-8AIRCRAFT**

COMPILED BY: B. Edwards

SUMMARY

Table 1 to 3 - Tire Summary revised.
(Changes are indicated by issue "C" annotation in the table).

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APPROVED	DATE: February 21, 1997

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TIRES DHC-8 AIRCRAFT		

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TIRES DHC-8 AIRCRAFT		

1.0 SCOPE

This specification covers the design, manufacture, and qualification of tires used on the Landing Gear System for the de Havilland DHC-8 aircraft.

The DHC-8 is a twin engined, turboprop, pressurized civil transport aircraft, and certified to the requirements of Federal Aviation Regulations, Part 25, up to and including Amendment No. 83. All relevant Technical Standard Orders published prior to the date of certification will also pertain, as will all relevant Additional Airworthiness Requirements published subsequently.

2.0 APPLICABLE DOCUMENTATION

2.1 Government

Federal Aviation Regulations
Part 25

Airworthiness Standards
Transport Category Airplanes dated
February 1, 1965, and Amendments 25-1
to 25-83 inclusive

Part 37

Technical Standard Order Authorizations
including Amendment 37-45 dated
December 31, 1979.

Joint Aviation Requirements
JAR 25

Change 14, dated 27 May, 1994

TSO C62 (at revision specified)

Tires

de Havilland Documents

The following documents apply in their entirety at the latest issue.

EPS 2-3

General requirements Specification
Proprietary and Standard Vendor Items

QAS/002

Proprietary and Standard Vendor Item
Quality Assurance Specification

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TIRES DHC-8 AIRCRAFT		

3.0 REQUIREMENTS

The following details specific tire requirements.

3.1 DSC 224 - 26.5 x 8.00 - 13 Tire, Main Landing Gear, DHC-8, Series 100

PLY RATING	AS REQ'D	
SPEED RATING	160 MPH	
TREAD PATTERN	RIBBED	
SKID DEPTH MIN.	0.30 in	7.6 mm
MAX. DIAMETER (Do)	26.50 in	673.1 mm
MAX. SHOULDER DIA (Ds)	23.80 in	604.5 mm
MAX SECTION WIDTH (W)	8.00 in	203.2 mm
MAX SHOULDER WIDTH (Ws)	7.00 in	177.8 mm
GAS CONTAINMENT	TUBELESS	

SERVICE RATING

DEFL AT STATIC LOAD	35% MAX.	
STATIC LOAD (MAX)	8175 lbf	36.36 KN
INFLATION PRESSURE	131.00 psi	903.90 kPa
ACCEPTABLE UNBALANCE	17 in.oz MAX	
AMBIENT WHEEL BAY TEMP (MAX)	250 DEG. F.	121 DEG. C
FLAT TIRE RADIUS	8.58 in	217.9 mm
STATIC TIRE RADIUS	11.13 in (REF)	282.6 mm
WEIGHT (MAX)	30.90 lb.	14.05 kg.
AV. WT. OVER 10 TIRES	30.00 lb.	13.64 kg.
MAX. WT. AFTER RETREAD	31.50 lb.	14.32 kg.
STANDARD OF APPROVAL	TSO-C62*	
RETREADABILITY	FREE FROM ABNORMAL RESTRICTIONS	

WHEEL DATA (Ref: Table 1)

RIM WIDTH (A)	6.50 in	165.1 mm
RIM DIAMETER (D)	13.00 in	330.2 mm
RIM FLANGE DIA (Df)	15.00 in	381.0 mm
FLANGE RAD	0.50 in	12.7 mm
HEEL RAD	0.25 in	6.4 mm
MIN BEAD SEAT	2.05 in	53.1 mm

*For applicable issue see Table 2.

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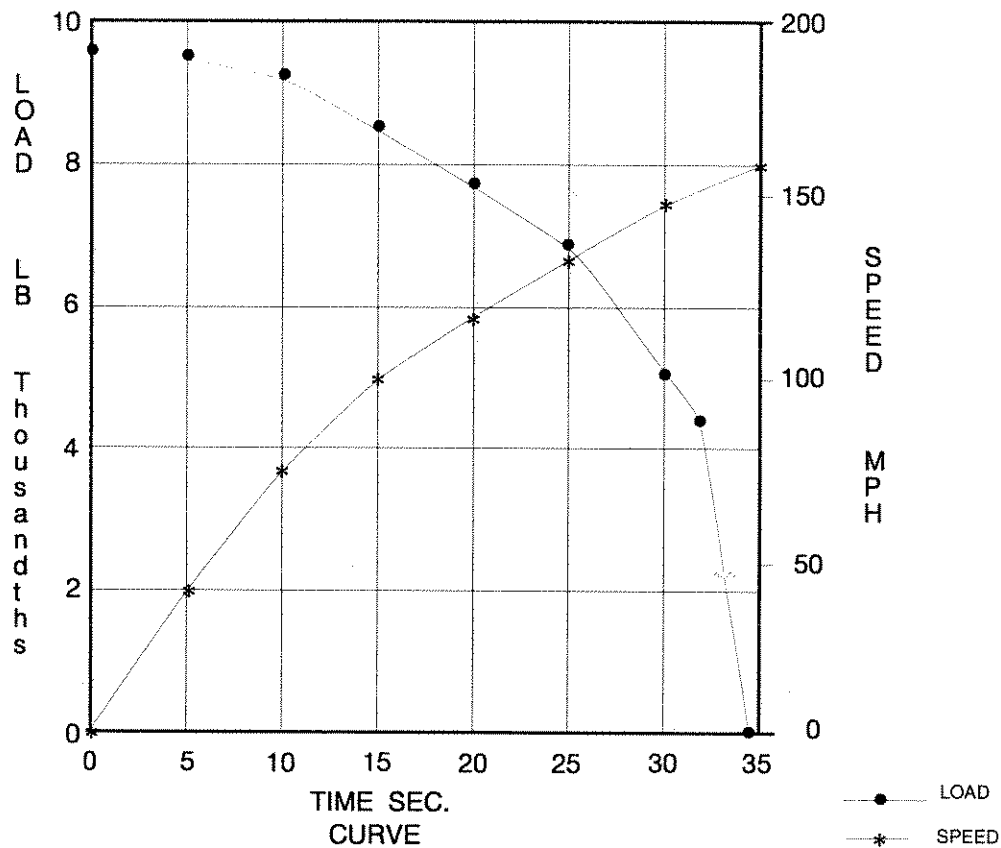
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TIRES DHC-8 AIRCRAFT

Load Time Curve DSC 224 (26.5 x 8.0-13 Tire)



160 MPH - TAKE OFF CASE

TIME(S)	LOAD (LB)	SPEED (MPH)
0	9500	0
5	9500	42
10	9300	74
15	8600	97
20	7800	117
25	6600	135
30	5200	150
32	4600	155
34	0	160

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TIRES DHC-8 AIRCRAFT		DATE: August 16, 1996 PAGE: 4 of 23

3.2 DSC 225 - 31 x 9.75 - 13 Tire, Improved Flotation, MLG DHC-8, Series 100

PLY RATING	AS REQ'D	
SPEED RATING	160 MPH	
TREAD PATTERN	RIBBED	
SKID DEPTH MIN.	0.30 in	7.6 mm
MAX DIAMETER (Do)	31.00 in	787.4 mm
MAX SHOULDER DIA (Ds)	27.72 in	704.1 mm
MAX SECTION WIDTH (W)	9.75 in	247.7 mm
MAX SHOULDER WIDTH (Ws)	8.30 in	210.8 mm
GAS CONTAINMENT	TUBELESS	

SERVICE RATING

DEFL. AT STATIC LOAD	35% MAX	(POST MOD 8/1728)
STATIC LOAD (MAX)	8175 lbf	36.36 KN
INFLATION PRESSURE	83.00 psi	(POST MOD 8/1728)
ACCEPTABLE UNBALANCE	24 in oz MAX	
AMBIENT WHEEL BAY		
TEMP. (MAX)	250 DEG. F	121 DEG. C
FLAT TIRE RADIUS	8.84 in	224.5 mm
STATIC TIRE RADIUS	12.5 in	317.5 mm
*WEIGHT (MAX)	41.2 lb	18.68 kg
AV. WT. OVER 10 TIRES	40.00 lb	18.14 kg
MAX. WT. AFTER RETREAD	42.00 lb	19.09 kg
STANDARD OF APPROVAL	TSO-C62*	
RETREADABILITY	FREE FROM ABNORMAL RESTRICTIONS	

WHEEL DATA

RIM WIDTH (A)	6.50 in	165.1 mm
RIM DIAMETER (D)	13.00 in	330.2 mm
RIM FLANGE DIA (Df)	15.00 in	381.0 mm
FLANGE RAD	0.50 in	12.7 mm
HEEL RAD	0.25 in	6.4 mm
MIN. BEAD SEAT	2.05 in	52.1 mm

* For applicable issue, see Table 1.

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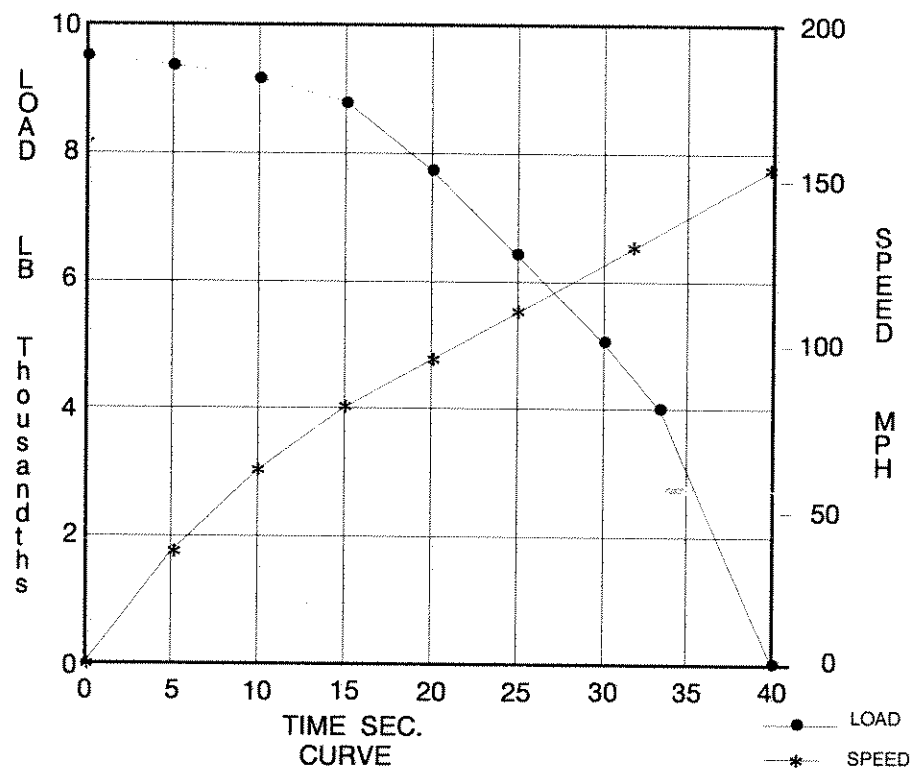
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TIRES DHC-8 AIRCRAFT

**LOAD SPEED TIME CURVE
DSC 225 (31 X 9.75 - 13 TIRE)**



160 MPH - TAKE OFF CASE

TIME(S)	LOAD (LB)	SPEED (MPH)
0	9350	0
5	9200	35
10	9000	60
15	8750	80
20	8000	97
25	6800	113
30	5400	128
33.25	4500	
40	0	160

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3.3 DSC 226 - 18 X 5.50 -8 Tire, Nosewheel, DHC-8, Series 100

PLY RATING	AS REQ'D	
SPEED RATING	160 MPH	
TREAD PATTERN	RIBBED	
SKID DEPTH MIN	0.17 in	4.3 mm
MAX DIAMETER (Do)	18.00 in	457.2 mm
MAX SHOULDER DIA (Ds)	16.20	411.5 mm
MAX SECTION WIDTH (W)	5.50 in	139.7 mm
MAX SHOULDER WIDTH (Ws)	5.00 in	127.0 mm
GAS CONTAINMENT	TUBELESS	

SERVICE RATING

DEFL. AT STATIC LOAD	32% MAX	
STATIC LOAD (MAX)	2450 lbf	10.90 KN
INFLATION PRESSURE (UNLOADED)	80 psi	551.60 kPA
ACCEPTABLE UNBALANCED STEADY BREAKING LOAD	8 in oz MAX	
PER FAR 25.733	5909 lbf	26.28 kN
FLAT TIRE RADIUS	6.11 in	155.2 mm
STATIC TIRE RADIUS	7.57 in (REF)	192.3 mm
WEIGHT (MAX)	13.00 lb	5.86 kg
AV. WT. OVER 10 TIRES	12.50 lb	5.68 kg
MAX WT AFTER RETREAD	13.22 lb	5.96 kg
STANDARD OF APPROVAL	TSO-C62*	
RETREADABILITY	FREE FROM ABNORMAL RESTRICTIONS	

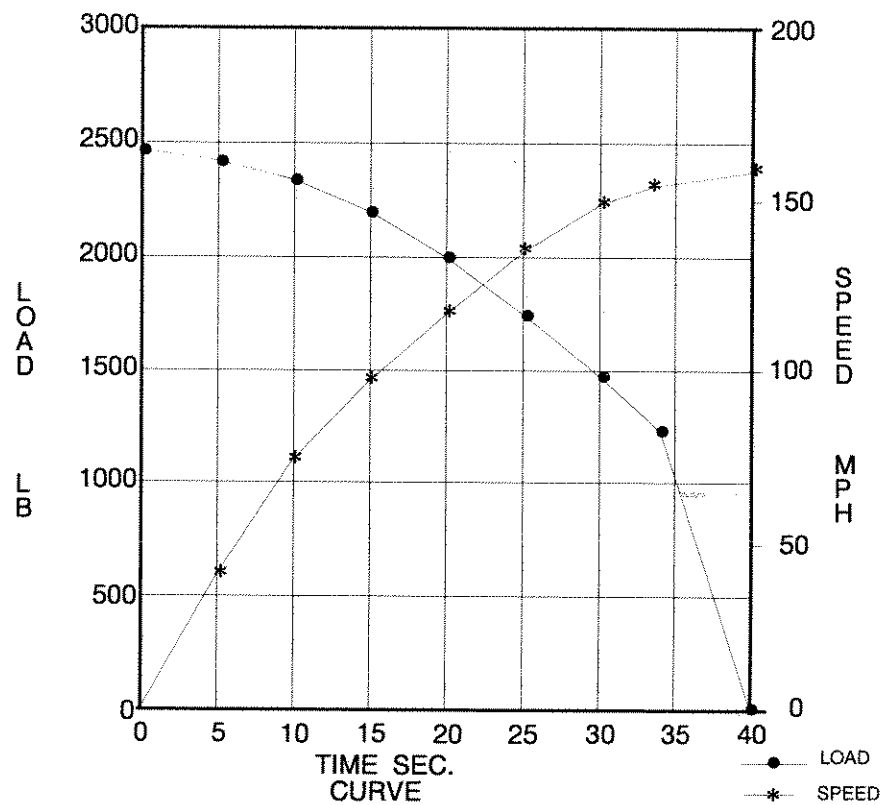
WHEEL DATA

RIM WIDTH (A)	4.25 in	108.0 MM
RIM DIAMETER (D)	8.00 in	203.2 mm
RIM FLANGE DIA (Df)	9.75 in	247.7 mm
FLANGE RAD	0.44 in	11.1 mm
HEEL RAD	0.22 in	5.6 mm
MIN BEAD SET	1.25 in	31.8 mm

* For applicable issue see Table 3

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TIRES DHC-8 AIRCRAFT		

**LOAD SPEED TIME CURVE
DSC 226 (18 X 5.5 - 8 TIRE)**



160 MPH - TAKE-OFF CASE

TIME (S)	LOAD (LB)	SPEED (MPH)
0	2450	0
5	2422	42
10	2339	74
15	2200	97
20	2006	117
25	1757	135
30	1452	150
33,25	1225	155
40	0	160

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TIRES DHC-8 AIRCRAFT		

3.4 DSC 261 - 22 X 6.50 - 10 Tire, (Alternative) Nosewheel DHC-8, Series 100

PLY RATING	AS REQ'D	
SPEED RATING	160 MPH	
TREAD PATTERN	RIBBED	
SKID DEPTH MIN	0.20 in	5.1 mm
MAX DIAMETER (Do)	22.10 in	561.3 mm
MAX SHOULDER DIA (Ds)	19.90 in	505.5 mm
MAX SECTION WIDTH (W)	6.65 in	168.9 mm
MAX SHOULDER WIDTH (Ws)	5.65 in	143.5 mm
GAS CONTAINMENT:	TUBELESS	

SERVICE RATING

DEFL AT STATIC LOAD	35% MAX	
STATIC LOAD (MAX)	2250 lbf	10.01 KN
INFLATION PRESSURE	48.00 psi	330.96 kPA
ACCEPTABLE UNBALANCE	12 in oz MAX	
STEADY BRAKING LOAD		
PER FAR 25.733	6064 lbf	26.97 N
FLAT TIRE RADIUS	6.80 in (REF)	172.7 mm
STATIC TIRE RADIUS	9.10 in	231.1 mm
WEIGHT (MAX)	14.40 lb	6.55 kg
AV. WT. OVER 10 TIRES	14.00 lb	6.35 kg
MAX WT AFTER RETREAD	14.70 lb	5.58 kg
STANDARD OF APPROVAL	TSO-C62*	
RETREADABILITY:	FREE FROM ABNORMAL RESTRICTIONS	

WHEEL DATA

RIM WIDTH (A)	4.75 in	120.7 mm
RIM DIAMETER (D)	10.00 in	254.0 mm
RIM FLANGE DIA (Df)	11.62 in	295.2 mm
FLANGE RAD	0.47 in	11.9 mm
HEEL RAD	0.22 in	5.6 mm
MIN BEAD SET	1.20 in	30.5 mm

* For applicable issue see Table 1.

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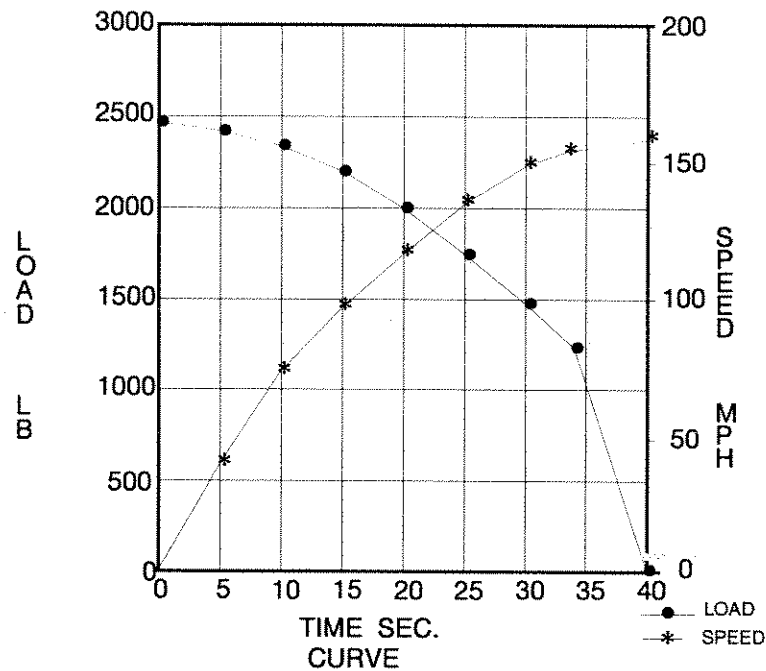
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TIRES DHC-8 AIRCRAFT

LOAD SPEED TIME CURVE DSC261 (22 X 6.40 - 10 TIRE)



160 MPH - TAKE OFF CASE

TIME (S)	LOAD (LB)	SPEED (MPH)
0	2450	0
5	2422	42
10	2339	74
15	2200	97
20	2006	117
25	1757	135
30	1452	150
33.25	1225	155
40	0	160

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TIRES DHC-8 AIRCRAFT		DATE: August 16, 1996 PAGE: 10 of 23

3.5 DSC 394 - 31 X 9.75 Tire, Main Landing Gear, DHC-8, Series 300

PLY RATING	AS REQ'D	
SPEED RATING	160 MPH	
TREAD PATTERN	RIBBED	
SKID DEPTH MIN	0.30 in	7.6 mm
MAX DIAMETER (Do)	31.00 in	787.4 mm
MAX SHOULDER DIA (Ds)	29.15 in	740.4 mm
MAX SHOULDER WIDTH (Ws)	8.26 in	209.8 mm
GAS CONTAINMENT:	TUBELESS	

SERVICE RATING

DEFL AT STATIC LOAD	35% MAX	
STATIC LOAD (MAX)	10120 lbf	45.01 KN
INFLATION PRESSURE	90 psi	620.55 kPa
ACCEPTABLE UNBALANCE	24 in oz MAX	
AMBIENT WHEEL BAY		
TEMP (MAX)	250 DEG. F.	121 DEG. C
FLAT TIRE RADIUS	9.60 in	243.8 mm
STATIC TIRE RADIUS	12.75 in (REF)	323.9 mm
WEIGHT (MAX)	41.20 lb	18.73 kg
AV. WT. OVER 10 TIRES	38.90 lb	17.68 kg
MAX WT AFTER RETREAD	42.00 lb	19.09 kg
STANDARD OF APPROVAL	TSO-C62*	
RETREADABILITY	FREE FROM ABNORMAL RESTRICTIONS	

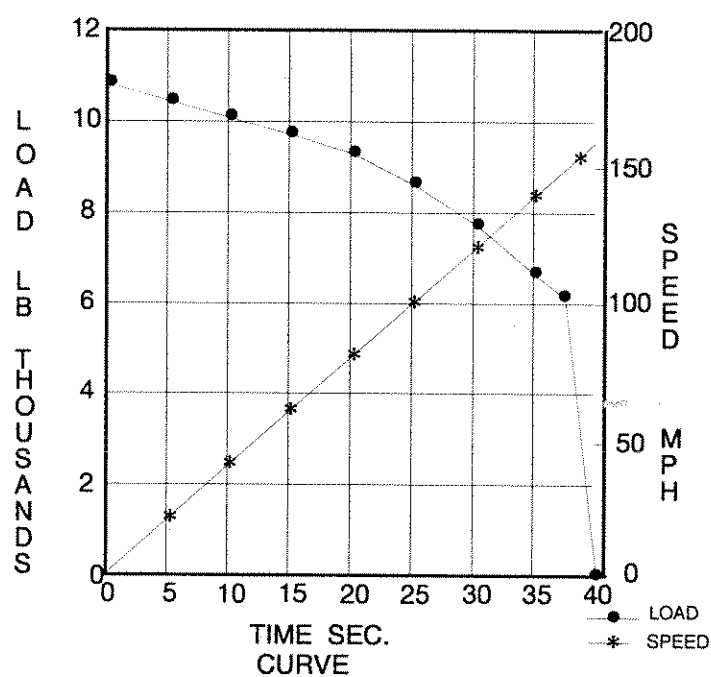
WHEEL DATA

RIM WIDTH (A)	8.00 in	203.2 mm
RIM DIAMETER (D)	14.00 in	355.6 mm
RIM FLANGE DIA (Df)	16.00 in	406.4 mm
FLANGE RAD	0.50 in	12.7 mm
HEEL RAD	0.25 in	57.2 mm
MIN. BEAD SEAT	2.25 in.	57.2 mm

*For applicable issue see Table 1.

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TIRES DHC-8 AIRCRAFT		

LOAD SPEED TIME TABLE - DSC 394 (31 x 9.75 - 14 Tire)



TIME (S)	LOAD (LB)	SPEED (MPH)
0	10830	0
5	10500	20
10	10200	40
15	9800	60
20	9300	80
25	8600	100
30	7800	120
35	6800	140
38	6200	152
40	0	160

160 MPH - TAKE OFF CASE

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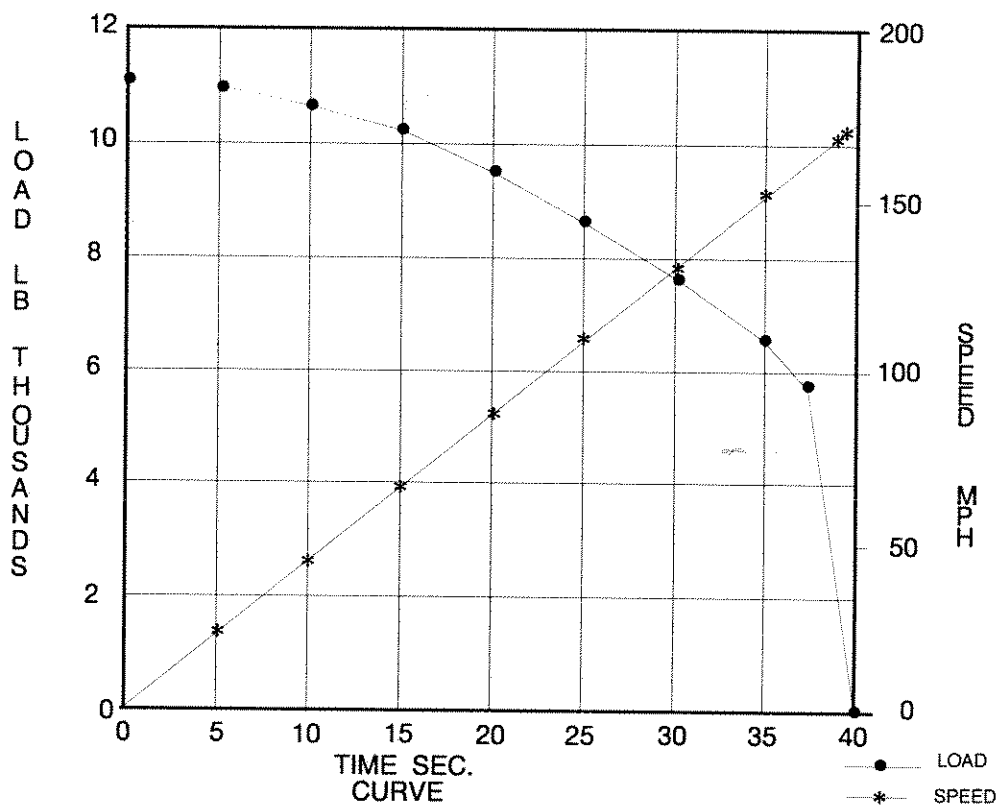
3.6 DSC 428 - 31 x 9.75 - 14 Tire, Main Landing Gear, DHC-8, Series 300 (190 MPH)

PLY RATING	AS REQ'D	
SPEED RATING	190 MPH	
TREAD PATTERN	RIBBED	
SKID DEPTH MIN	0.30 in	7.6 mm
MAX DIAMETER (Do)	31.00 in	787.4 mm
MAX SHOULDER DIA (Ds)	29.15 in	740.4 mm
MAX SECTION WIDTH (W)	9.75 in	247.7 mm
MAX SHOULDER WIDTH (Ws)	8.26 in	209.8 mm
GAS CONTAINMENT	TUBELESS	
<u>SERVICE RATING</u>		
DEFL AT STATIC LOAD	35% MAX	
STATIC LOAD (MAX)	10120 lbf	45.01 KN
INFLATION PRESSURE	97.00 psi	555.88 kPa
ACCEPTABLE UNBALANCE	24 in oz MAX	
AMBIENT WHEEL BAY		
TEMP (MAX)	249 DEG. F.	121 DEG. C
FLAT TIRE RADIUS	9.60 in	243.8 mm
STATIC TIRE RADIUS	12.70 in (REF)	322.6 mm
WEIGHT (MAX)	41.00 lb	18.64 kg
AV. WT. OVER 10 TIRES	38.90 lb	17.68 kg
MAX WT AFTER RETREAD	42.00 lb	19.09 lb
STANDARD OF APPROVAL	TSO-C62*	
RETREADABILITY:	FREE FROM ABNORMAL RESTRICTIONS	
<u>WHEEL DATA</u>		
RIM WIDTH (A)	8.00 in	203.2 mm
RIM DIAMETER (D)	14.00 in	355.6 mm
RIM FLANGE DIA (Df)	16.00 in	406.4 mm
FLANGE RAD	0.50 in	12.7 mm
HEEL RAD	0.25 in	6.4 mm
MIN BEAD SEAT	2.25 in	57.2 mm

*For applicable issue see Table 1.

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TIRES DHC-8 AIRCRAFT		

**LOAD SPEED TIME CURVE
DSC 428 (31 x 9.75 - 14 TIRE)**



190 MPH - TAKE OFF CASE

TIME(S)	LOAD (LB)	SPEED (MPH)
0	11100	0
5	11001.8	21.8
10	10707.4	21.8
15	10216.7	65.4
20	9529.7	87.2
25	8646	109
30	7566.9	130.7
35	6291	152.5
37.6	5550	163.8
38.3	0	167.1

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TIRES DHC-8 AIRCRAFT		

3.7 DSC 429- 22 x 6.50 - 10 Tire, Nosewheel, DHC-8, Series 300, (190 MPH)

PLY RATING	AS REQ'D	
SPEED RATING	190 MPH	
TREAD PATTERN	RIBBED	
SKID DEPTH MIN	0.20 in	5.1 mm
MAX DIAMETER (Do)	22.10 in	561.3 mm
MAX SHOULDER DIA (Ds)	19.90 in	505.5 mm
MAX SECTION WIDTH (W)	6.65 in	168.9 mm
MAX SHOULDER WIDTH (Ws)	5.65 in	143.5 mm
GAS CONTAINMENT	TUBELESS	

SERVICE RATING

DEFL AT STATIC LOAD	35% MAX	
STATIC LOAD (MAX)	2250 lbf	10.01 KN
INFLATION PRESSURE	60.00 psi	412.50 kPA
ACCEPTABLE UNBALANCE	12.00 in oz MAX	
STEADY BRAKING LOAD		
PER FAR 25.733	4150 lbf	18.46 KN
FLAT TIRE RADIUS	6.80 in	172.7 mm
STATIC TIRE RADIUS	9.20 in (REF)	233.7 mm
WEIGHT (MAX)	14.00 lb	6.36 kg
AV. WT. OVER 10 TIRES	13.50 lb	6.14 kg
MAX WT. AFTER RETREAD	14.70 lb	6.68 kg
STANDARD OF APPROVAL	TSO-C62*	
RETREADABILITY	FREE FROM ABNORMAL RESTRICTIONS	

WHEEL DATA

RIM WIDTH (A)	4.75 in	120.7 mm
RIM DIAMETER (D)	10.00 in	254.0 mm
RIM FLANGE DIA (Df)	11.62 in	295.2 mm
FLANGE RAD	0.47 in	11.9 mm
HEEL RAD	0.22 in	5.6 mm
MIN BEAD SET	1.20 in	30.5 mm

*For applicable issue see Table 1.

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Specification**

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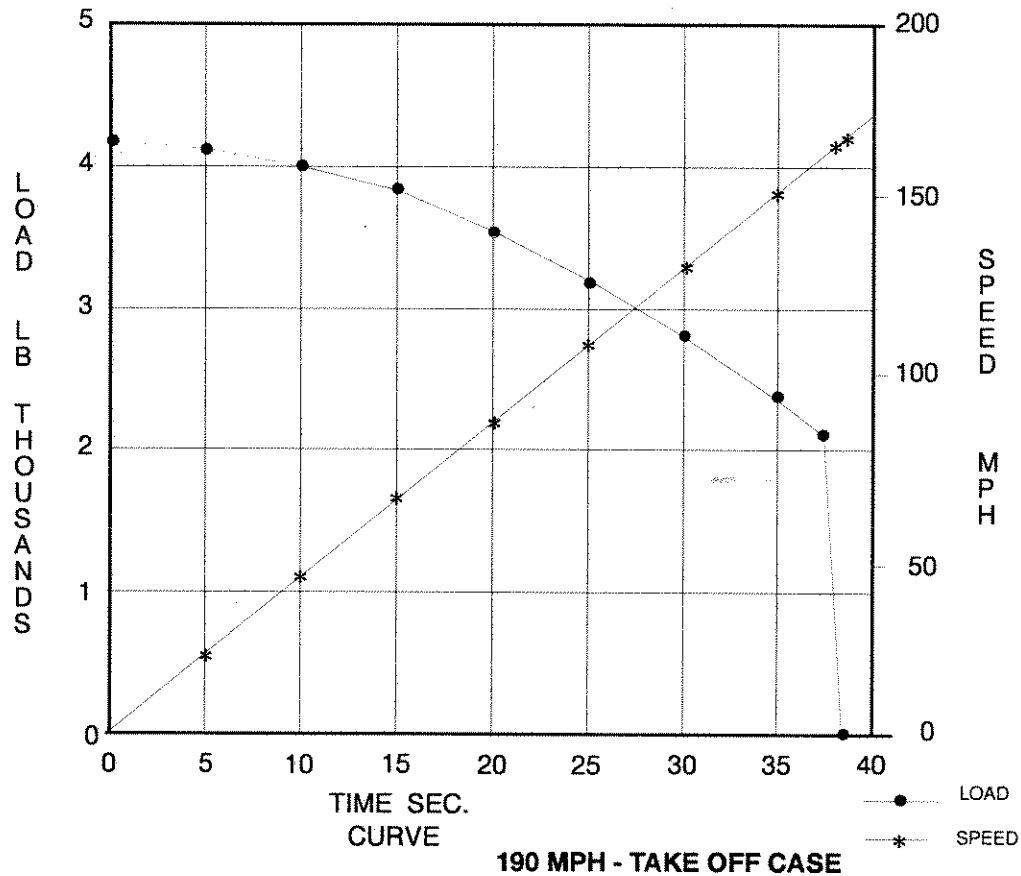
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TIRES DHC-8 AIRCRAFT

LOAD SPEED TIME CURVE

DSC 429 (22 x 6.5 - 10 TIRE)



TIME(S)	LOAD (LB)	SPEED (MPH)
0	4150	0
5	4113	21.8
10	4003	43.6
15	3819	65.4
20	3563	87.2
25	3233	109
30	2829	130.7
37.6	2075	163.8
38.3	0	167.1

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TIRES DHC-8 AIRCRAFT		

3.8 DSC 475 - 31 x 9.75 - 13 Tire, Improved, Flotation MLG DHC-8, S-200

PLY RATING	AS REQ'D	
SPEED RATING	190 MPH	
TREAD PATTERN	RIBBED	
SKID DEPTH MIN	0.30 in	7.6 mm
MAX DIAMETER (Do)	31.00 in	787.4 mm
MAX SHOULDER DIA (Ds)	27.72 in	704.1 mm
MAX SECTION WIDTH (W)	9.75 in	247.7 mm
MAX SHOULDER WIDTH (Ws)	8.30 in	210.8 mm
GAS CONTAINMENT	TUBELESS	

SERVICE RATING

DEFL AT STATIC LOAD 35% MAX

STATIC LOAD (MAX)	8602 lbf	38.26 KN
INFLATION PRESSURE	88.00 psi	606.76 kPa
RATED LOAD (MIN)	9205 lbf	40.94 KN
ACCEPTABLE UNBALANCE	24 in oz MAX	
AMBIENT WHEEL BAY		
TEMP (MAX)	250 DEG. F	121 DEG. C
FLAT TIRE RADIUS	8.84 in	224.5 mm
STATIC TIRE RADIUS	12.50 in (REF)	317.5 mm
WEIGHT (MAX)	41.2 lb	18.75 kg
AV. WT. OVER 10 TIRES	40.00 lb	18.18 kg
MAX WT AFTER RETREAD	42.00 lb	19.09 kg
STANDARD OF APPROVAL	TSO-C62*	
RETREADABILITY	FREE FROM ABNORMAL RESTRICTIONS	

WHEEL DATA

RIM WIDTH (A)	6.50 in	165.1 mm
RIM DIAMETER (D)	13.00 in	330.2 mm
RIM FLANGE DIA (Df)	15.00 in	381.0 mm
FLANGE RAD	0.50 in	12.7 mm
HEEL RAD	0.25 in	6.4 mm
MIN BEAD SEAT	2.05 in	52.1 mm

*For applicable issue see Table 1.

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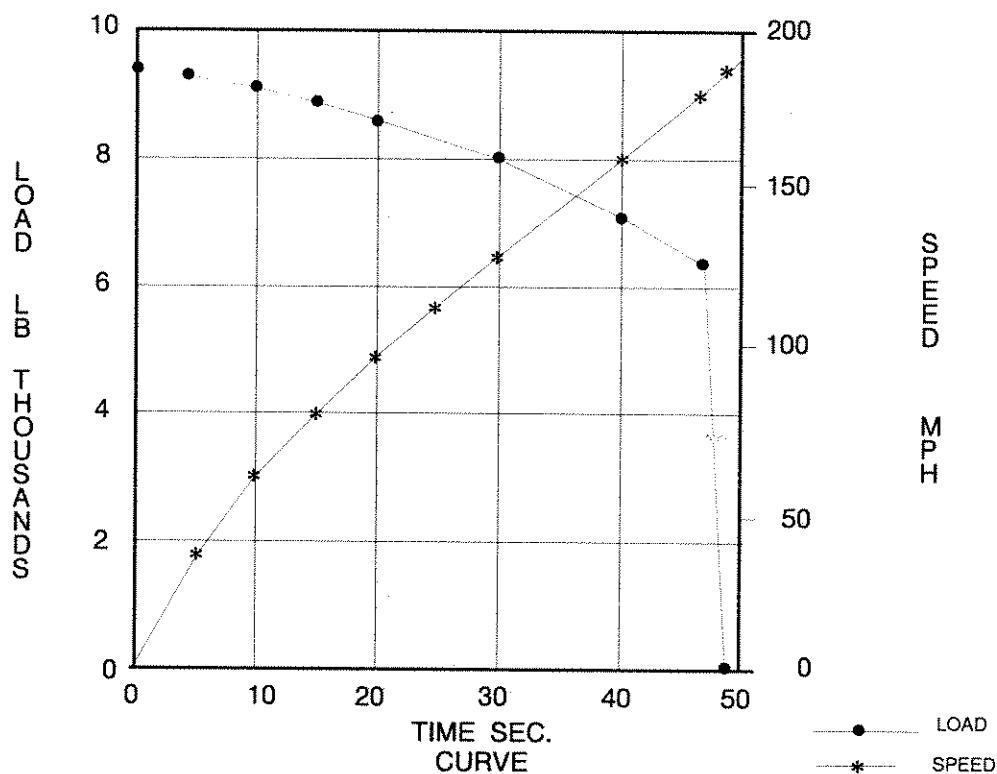
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TIRES DHC-8 AIRCRAFT

LOAD SPEED TIME CURVE

DSC 475: 31 x 9.75 - 13 TIRE*



190 MPH - TAKE OFF CASE

TIME (S)	LOAD (LB)	SPEED (MPH)
0	9350	0
5	9247.4	35
10	9048.5	60
15	8814	80
20	8512.4	100
25	8280.5	113
30	7977.7	128
40	7205.8	160
47.2	6546	183
49.38	0	190

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TIRES DHC-8 AIRCRAFT		DATE: August 16, 1996 PAGE: 18 of 23

3.9 DSC 476 - 18 x 5.50 - 8 Tire Nosewheel, DHC-8, Series 200

PLY RATING	AS REQ'D	
SPEED RATING	190 MPH	
TREAD PATTERN	RIBBED	
SKID DEPTH MIN	0.17 in	4.3 mm
MAX DIAMETER (Do)	18.00 in	457.2 mm
MAX SHOULDER DIA (Ds)	16.20 in	411.5 mm
MAX SECTION WIDTH (W)	5.50 in	139.7 mm
MAX SHOULDER WIDTH (Ws)	5.00 in	127.0 mm
GAS CONTAINMENT	TUBELESS	

SERVICE RATING

DEFL AT STATIC LOAD	TBD	
STATIC LOAD (MAX)	1815 lbf	8.07 KN
RATED LOAD (MIN)	2565 lbf	11.41 KN
INFLATION PRESSURE (UNLOADED)	95 psi	655.03 kPA
ACCEPTABLE UNBALANCE	8 in oz MAX	
STEADY BRAKING LOAD PER FAR 25.733	3848 lbf	17.12 KN
FLAT TIRE RADIUS	6.11 in	155.2 mm
STATIC TIRE RADIUS	7.57 in (REF)	192.3 mm
WEIGHT (MAX)	12.90 lb	5.86 kg
AV. WT. OVER 10 TIRES	12.50 lb	5.68 kg
MAX WT AFTER RETREAD	13.12 lb	5.96 kg
STANDARD OF APPROVAL	TSO-C62*	
RETREADABILITY	FREE FROM ABNORMAL RESTRICTIONS	

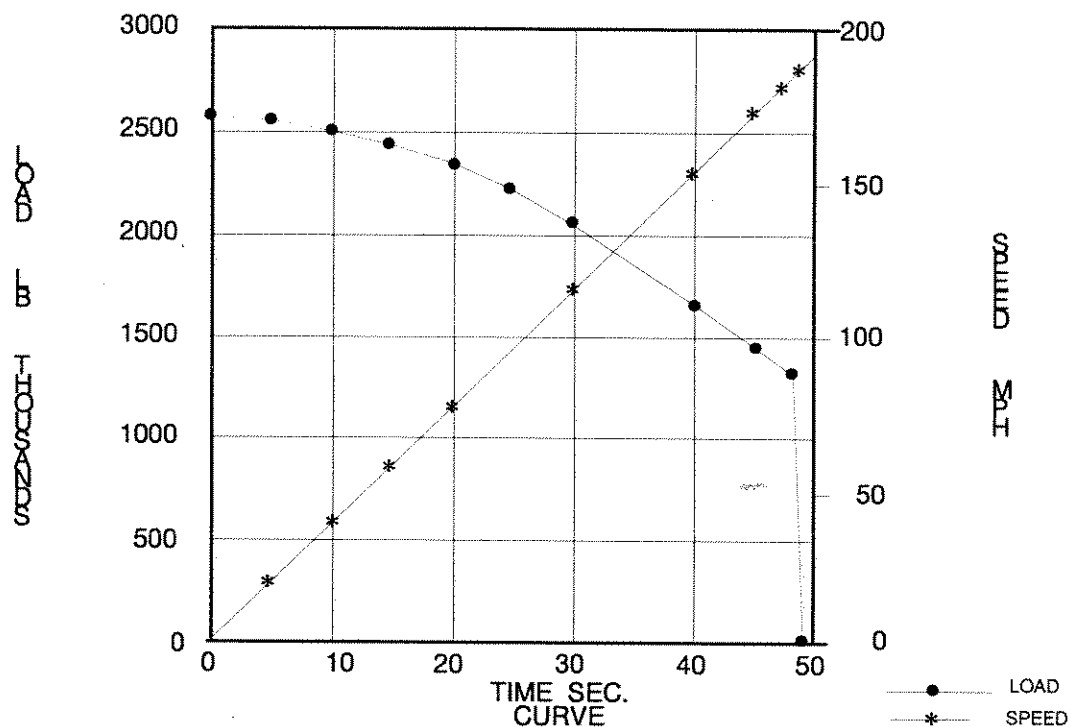
WHEEL DATA

RIM WIDTH (A)	4.25 in	108.0 mm
RIM DIAMETER (D)	8.00 in	203.2 mm
RIM FLANGE DIA (Df)	9.75 in	247.7 mm
FLANGE RAD	0.44 in	11.1 mm
HEEL RAD	0.22 in	5.6 mm
MIN BEAD SET	1.25 in	31.8 mm

*For applicable issue see Table 1

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LOAD SPEED TIME CURVE
DSC 476: 18 x 5.5 - 8 Tire (S200)



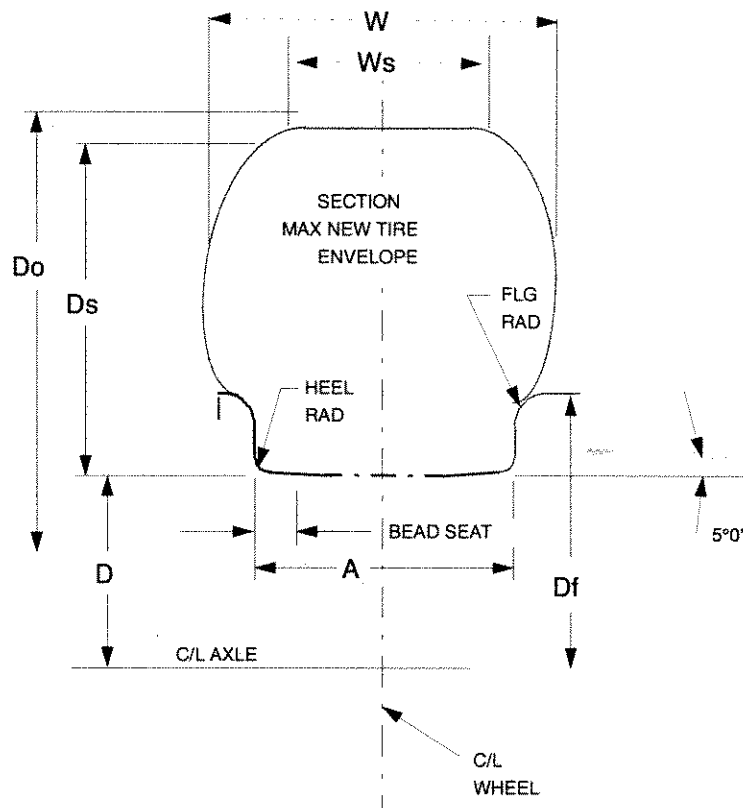
190 mph TAKE-OFF AND LANDING CASE

DSC 476 18 x 5.50 - 8 Tire

TIME (s)	LOAD (LB)	SPEED (MPH)
0	2565	0
5	2550.83	19.24
10	2508.31	38.48
15	2437.45	57.72
20	2338.25	76.95
25	2210.70	96.19
30	2054.81	115.43
35	1870.58	134.67
40	1658.00	153.91
45	1417.08	173.15
47.5	1285.99	182.77
49.38	0	190

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TIRES DHC-8 AIRCRAFT		

Table 1: DIMENSIONAL ENVELOPE



3.10 **Part Marking**

Part marking shall be as outlined in TSO-C62 at the revision current during certification.

4.0 **QUALITY ASSURANCE PROVISIONS**

4.1 Quality assurance provisions shall be in accordance with QAS/002, which forms part of this specification.

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4.2 All units supplied to this specification shall be functionally and installationally similar to the units qualified to the requirements of this specification in accordance with the test and other procedures detailed herein.

4.3 **Responsibilities**

Unless otherwise specified herein, the supplier shall be responsible for the fulfillment of all inspection and test requirements prior to delivery of the finished article to de Havilland. The Supplier may use his own test facilities or any commercial laboratory acceptable to de Havilland. Inspection records to the examinations and tests shall be kept complete and available to de Havilland.

4.4 **Test Equipment Standards**

Testing and measuring equipment used for qualification and production testing shall be currently calibrated to a National Standard that is traceable to a National Bureau of Standards, e.g., National Research Council, Canada, National Bureau of Standards, U.S.A.

5.0 **PRODUCT SUPPORT DATA**

Drawing and drawing change requirements and Product Support data shall be in accordance with EPS 2-3.

6.0 **PACKAGING AND SHIPPING**

Packaging and shipping requirements shall be in accordance with QAS/002.

7.0 **REPORTS**

7.1 All qualification test and reliability reports must be submitted to de Havilland, attention of Materials Manager, Material Receiving department at the earliest possible dates, to be determined at the time of contract award.

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Table 2: TIRE SPECIFICATION

DSC No./ SIZE	APPROVED SOURCE OF SUPPLY	PART No.	PLY RATING	BASIS OF APPROVAL			COMMENTS	ISS.
				SPEED RATING	TSO	AL. REPORT/ MOD STATUS		
224 26.5x8.0-13	DUNLOP BFG	DR24221T 028-691	12 12	160 MPH 160 MPH	FAR 21 TSO-C62c TSO-C62c	QTR ATR 1004 FAA 26.5x8.0-13-12TL -1601, dtd 2/22/88 CR832CH0001	NOT RETREADABLE	C
225 31x9.75-13	GOODYEAR	319K26-1	12	160 MPH	TSO-C62c	QTR 461B-3096-TL POST MOD 8/1363		C
226 18x5.5-8	BFG DUNLOP GOODYEAR GOODYEAR	028-630 DR9835T 185F88-4 185F88-6	8 8 8 8	190 MPH 160 MPH 190 MPH 190 MPH	TSO-C62c	FAA 18x5.5-8TL-1901 QTR ATR 1173 QTR 461B-2999-TL QTR 461B-3296-TL	SUPERSEDED GDYR FAX 88/05/09	C
261 22x6.5-10	DUNLOP	DR12326T	10	160 MPH	TSO-C62b	QTR ATR 728	SUPERSEDED BY DSC 429	C
394 31x9.75-14	DUNLOP	DR26220T	12	160 MPH	TSO-C62c	QTR ATR 1169	SUPERSEDED BY DSC 428	C
428 31x9.75-14	DUNLOP GOODYEAR	DR26221T 318K28-1	12 12	190 MPH	TSO-C62c	QTR ATR 1247 POST MOD 8/1368 QTR 461B-3403-TL POST MOD 8/1368		C
429 22x6.50-10	DUNLOP GOODYEAR GOODYEAR	DR12330T 222K68-1 222K68-2	10 6 6	190 MPH	TSO-C62c TSO-C62c TSO-C62d	QTR ATR 1248 QTR 461B-3407-TL QTR 461B-3503-TL		C
475 31x9.75-13	DUNLOP GOODYEAR	DR24321T 319K28-1	12	190 MPH	TSO-C62d	QTR ATR 1324 QTR 461B-3571-TL	DUNLOP FAX SB/93/51 GDYR FAX 7/28/93	C
476 18x5.5-8	GOODYEAR DUNLOP	185F88-6 DR9835T ISSUE 2	8	190 MPH	TSO-C62c	QTR 461B-3296-TL QTR ATR 1173		C

For certification data, refer to AEROC 8:6.U.1 Section 4.9

Only the item(s) listed in this document and identified by vendor name(s) and part number(s) have been approved by de Havilland Inc. for use in DHC Aircraft. A substitute item shall not be used without prior approval by de Havilland Inc.

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Table 3: TIRE SUMMARY

A/C MODEL	REQUIRED TIRE			
	NOSE GEAR	COMMENTS	MAIN GEAR	COMMENTS
8-102/103	DSC 226	ALTERNATIVE (POST 8/2587)	DSC 224	
	DSC 476			
8-102/103 SOO08009	DSC 261	SUPERSEDED BY DSC 429	DSC 225	CR832SO08009-3 ALTERNATE
	DSC 429		DSC 475	
8-106	DSC 226	ALTERNATIVE (POST 8/2587)	DSC 225	CR8032SO0069-1 ALTERNATE
	DSC 476		DSC 475	
8-200	DSC 476		DSC 475	
8-301	DSC 261	SUPERSEDED BY DSC 429	DSC 394	SUPERSEDED BY DSC 428
	DSC 429		DSC 428	
8-311	DSC 429		DSC 428	