

DMC/AQ P. 569

2nd, June 1962

Mngr.....	Eng. Supt.....
Sec.....	Asst. Supt.....
Asst. Sec.....	Ch. Eng. A/D.....
Ch. Acct.....	Para. Supt.....
8 - JUN 1962	
Stores.....	Supply Sales.....
Ansd.....	Init.....

FR
8/6

AUSTRALIAN MISSION
S.N.E.C.M.A.
70, Bd. Kellermann

PARIS 13ème
France

P569

COMMONWEALTH AIRCRAFT CORPORATION
BOX 779 H P.O.
Elizabeth street

MELBOURNE
Australia

Attention : THE MANAGER

Subject : ATAR 903 Engine

Decarburising of low alloy steel castings

Dear Sir,

We enclose herewith copy of SNECMA Note Intérieure n° KL/6672, 30th May, which answers the specific questions posed by our memo DMC/SG/HAK of 8th, May, copy of which is also enclosed for your quick reference.

Copies of both the above have been handed to Mr. R.R. Brookes for his information and comment.

Yours faithfully,

D.M. Carroll
D.M. CARROLL

CIRCULATION / COPIES / 16	
E.F. MNGR	FCT. ADM. SUPT.
DSGN. ENGR	MC. SHOP. SUPT.
DEV. ENGR	PRODUCN. SUPT.
SERV. ENGR	ASSEMBLY SUPT.
QUAL. ENGR ✓	FOUNDRY SUPT.
PROD. ENGR ✓	METCAL. SUPT. ✓
MATL. ENGR ✓	PROCESS SUPT.
CH. TL. DSGR ✓	TOOL. PROD. SUPT.
CH. INSP. E.F.	TOOL. ROOM. SUPT.
A/F MANAGER	SUPT. INSPECTION

FR

NOTED
CNPS

attachement
to P. 569
SNECMA 90.09.03.16.709 (1)

SNECMA

Kellermann

ÉMETTEUR

Licence Office

NOTE INTÉRIEURE

N°

KL/6672

DESTINATAIRE

Australian Mission

DATE

30th, May 1962

OBJET : Decarburization of low alloy steel castings.

Attention : Mr. CARROLL

Dear Sir,

Following your memo re. DMC/SG/HAK dated 8th, May 1962, please find hereunder translation of our Inspection Division reply.

" 1) - For every shaw process casting produced in low alloy steel by the SNECMA - Gennevilliers Foundry, the maximum overall depth of decarburization permissible against inspection standards is = 0,5 mm.
Consequently, for identical parts that would be produced at C.A.C. by the same process, the same acceptance standard would apply.

2) - Concerning the three following austenal process produced low alloy steel castings :

part N° 502.551.018.9 - Plaquette
502.705.015.9 - Support de vérin
502.705.018.9 - Support de vérin

supplied to SNECMA by MICROFUSION, there is no special requirements as far as decarburization is concerned differing from the ones above mentioned for the shaw process castings, i.e. : maximum decarburization depth = 0,5 mm.

However, it must be underlined that this technical information is limited to the three above mentioned parts. Would C.A.C. be prepared to manufacture other precision castings made of ferrous alloy, the maximum permissible decarburization depth of which is not specified in a Test Sheet or on the part drawing, SNECMA would have to be consulted for pre-determination of this standard."

Yours faithfully,

M. Fabre
M. FABRE

Licence Engineer.

TO : K. PADRE - LICENCE JUDGE.

Dear Sir,

what would be the maximum surface decarburization that could be accepted.

• • •

8th, MAY 62

Comments on the above would be appreciated at an early date, since like SNECMA, C.A.C do not possess facilities for carbon restoration heat treatment to correct surface decarburisation. In the case of no surface decarburisation or only a very low limit being acceptable on the parts listed in (2) above, C.A.C would need to arrange immediate ordering action on SNECMA for these parts in order to meet their immediate engine production schedule.

Yours faithfully,

R.N. GANESHI