

Site d'Evry-Corbeil
Rue Henri Auguste Desbrières - BP 81
91003 Evry Cedex - France

O/Ref. : YQL/Basile 03833/14 LM

Phone : (33) 01.69.87.05.53

Evry, the September 9, 2014

Haynes International

1020 West Park Avenue
KOKOMO INDIANA 46094 9013
U.S.A.

Attention to :
Mr David FLUCK – Director of lab Services
Mr Daniel HUNT - Senior Technology Engineer

Subject : **Renewal Laboratory Qualification – SPQC (FAL 73)**

Dear Sirs,

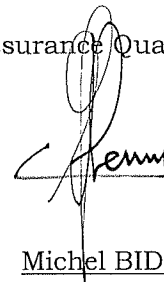
Please find enclosed the Corrective Action Request CAR n° 200007392 completed and the Special Processes Qualification Certificate (FAL n° 73).

This qualification covers the period from January 1st 2014 to December 31st 2016.

Continuance of the laboratory qualification depends on conditions outlined in the Snecma procedures GRP-0087 and GRM-0092 and your participation to the Snecma's PTP (Proficiency Testing Program) for which you are solicited and the results to the PTP.

Yours faithfully.

The Assurance Quality Manager



Michel BIDEAU

Enclosed : - *Corrective Action Request n° 200007392 completed*
- *The Special Processes Qualification Certificate n° 73*

Site d'Evry-Corbeil
Rue Henri Auguste Desbrières - BP 81
91003 Evry Cedex - France

O/Ref. : YQL/Basile 03834/14 LM

Phone : (33) 01.69.87.05.53

Evry, the September 9, 2014

Haynes International Inc
DEFFENBAUGH STREET OPERATIONS

2000 W. DEFFENBAUGH STREET

KOKOMO, INDIANA 46904-9013

U.S.A.

Attention to :
Mr David FLUCK – Director of lab Services
Mr Daniel HUNT - Senior Technology Engineer

Subject : Renewal Laboratory Qualification – SPQC (FAL 535)

Dear Sirs,

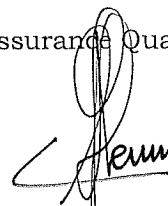
Please find enclosed the Corrective Action Request CAR n° 200007393 completed and the Special Processes Qualification Certificate (FAL n° 535).

This qualification covers the period from January 1st 2014 to December 31st 2016.

Continuance of the laboratory qualification depends on conditions outlined in the Snecma procedures GRP-0087 and GRM-0092 and your participation to the Snecma's PTP (Proficiency Testing Program) for which you are solicited and the results to the PTP.

Yours faithfully.

The Assurance Quality Manager



Michel BIDEAU

Enclosed : - *Corrective Action Request n° 200007393 completed*
- *The Special Processes Qualification Certificate n° 535*

Attestation de Qualification des Procédés Spéciaux

Special Processes Qualification Certificate

N° AQPS :

 CODE FOURNISSEUR 001993-01
 SUPPLIER NUMBER

FAL 535
SNECMA

Prononce la qualification du fournisseur suivant GRP-0087-GRM0092
Approval on the supplier qualification according to GRP-0087- GRM0092

Haynes International
DEFFENBAUGH STREET OPERATIONS
2000 W. DEFFENBAUGH STREET
KOKOMO INDIANA 46094 9013
U.S.A.

Pour les procédés spéciaux suivant,
For the following special processes

Safran Process N°	Procédés Processes	Référentiel Technique Technical Specification	Statut	Restrictions techniques Technical limitation	Fin de Validité Expiration Date
A	Essai de traction à température ambiante/Tensile test at room temperature	ASTM E8	Qualification		31/12/2016
B	Essai de traction à température élevée/Tensile test at elevated temperature	ASTM E8, ASTM E21	Qualification		31/12/2016
C	Essai de fluage rupture/Stress rupture test	ASTM E139, ASTM E292	Qualification		31/12/2016
D	Analyse chimique par voie humide/Wet chemical analysis		Qualification		31/12/2016
F1	Analyse par Fluorescence X /X-ray fluorescence analysis	ASTM E1085, ASTM E1361, ASTM E1621	Qualification		31/12/2016
F2	Analyse par ICP/ICP analysis	ASTM E1479, ASTM E2594	Qualification		31/12/2016
F3	Analyse par émission optique/ Optical emission analysis	ASTM E305, ASTM E1086	Qualification		31/12/2016
G	Dosage du carbone/Carbon Analysis	ASTM E1019	Qualification		31/12/2016

Attestation de Qualification des Procédés Spéciaux

Special Processes Qualification Certificate

N° AQPS :

 CODE FOURNISSEUR 001993-01
 SUPPLIER NUMBER

FAL 535

Haynes International
DEFFENBAUGH STREET OPERATIONS
2000 W. DEFFENBAUGH STREET
KOKOMO INDIANA 46094 9013
U.S.A.

Pour les procédés spéciaux suivant,
 For the following special processes

H	Dosage du Soufre/Sulfur Analysis	ASTM E1019	Qualification		31/12/2016
J	Dosage de l'azote/Nitrogen Analysis	ASTM E1019	Qualification		31/12/2016
L1a	Détermination de la taille de grains/ Grain size determination	ASTM E3, ASTM E45, ASTM E112, ASTM E407	Qualification		31/12/2016
L1b	Taux d'inclusions/Inclusion rate	ASTM E3, ASTM E45, ASTM E112, ASTM E407	Qualification		31/12/2016
L1e	Micrographie optique autres/Other metallographic optical	ASTM E3, ASTM E45, ASTM E112, ASTM E407	Qualification		31/12/2016
M3	Essai de dureté : HR/Hardness test HR	ASTM E18, ASTM E29 ASTM E140	Qualification	Rockwell A, B, C and N Values	31/12/2016

 N° de rapport
 Report n°

 Observations
 Remarks :

BASE @DOC BASILE N° YQL 03834/14

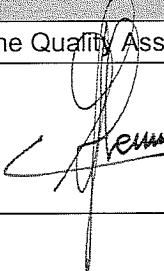
Qualification prononcée sur le questionnaire Dq-6999/Qualification pronounced on questionnaire Dq-6999

Auditeur/Responsable de la Qualification
Auditor/Qualification Leader

September 9, 2014

Michel BIDEAU

The Quality Assurance Manager



Attestation de Qualification des Procédés Spéciaux
Special Processes Qualification Certificate

N° AQPS :
MDM503309

CODE FOURNISSEUR 001993-00
SUPPLIER NUMBER

FAL 73

SNECMA

Prononce la qualification du fournisseur suivant GRP-0087-GRM0092
Approval on the supplier qualification according to GRP-0087- GRM0092

Haynes International
1020 West Park Avenue
KOKOMO INDIANA 46094 9013
U.S.A.

Pour les procédés spéciaux suivant,
For the following special processes

Safran Process N°	Procédés Processes	Référentiel Technique Technical Specification	Statut	Restrictions techniques Technical limitation	Fin de Validité Expiration Date
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B	Essai de traction à température élevée/Tensile test at elevated temperature	ASTM E8, ASTM E21	Qualification		31/12/2016
L1a	Détermination de la taille de grains/ Grain size determination	ASTM E3, ASTM E45, ASTM E112, ASTM E407	Qualification		31/12/2016
L1b	Taux d'inclusions/Inclusion rate	ASTM E3, ASTM E45, ASTM E112, ASTM E407	Qualification		31/12/2016
L1e	Micrographie optique autres/Other metallographic optical	ASTM E3, ASTM E45, ASTM E112, ASTM E407	Qualification		31/12/2016
R	Oxydation/Oxidation	816-108, 816-109, 816-110	Qualification		31/12/2016

N° de rapport
Report n°

Observations
Remarks :

BASE @DOC BASILE N° YQL 03833/14

Qualification prononcée sur le questionnaire Dq-6999/Qualification prononced on questionnaire Dq-6999

Auditeur/Responsable de la Qualification
Auditor/Qualification Leader

September 9, 2014

Michel BIDEAU

The Quality Assurance Manager

