



Rolls-Royce

Certificate of Approval

This is to certify that

*Dickson Testing Company Inc –
Southgate – CA – USA*

is an approved supplier for the scope specified

Scope of approval:

- Manufacture of test pieces
- Mechanical testing as specified in CME 5021 and in accordance with MSRR 9922
- Chemical analysis in accordance with MSRR 9920
- MSRR 9969 – Brinell and Rockwell
- Metallography
- Corrosion Testing
- RPS 953 - Laboratory H/T

Approval number: 87680

Issue date: 16 November 2001

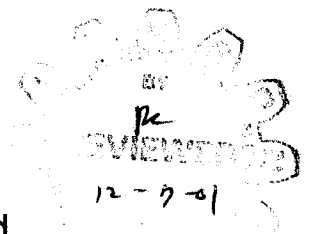
Expiry date: n/a

This certificate supersedes all previous approval letters/certificates and is subject to the terms on the back hereof

PP Paul Jennings

Y E Mill

Supplier Quality Director



COMPANY	TESTING APPROVAL
<p>DENEL AVIATION Astro Park Atlas Road Kempton park Republic of South Africa</p> <p>Tel No. 0119-279-222</p> <p>SAL Code: 2420</p>	<p>Scope to be defined. Refer to Materials Test Standards Engineer, Materials - Test Facilities and Fluid Systems.</p>
<p>DERITEND PRECISION CASTINGS LIMITED Bays Meadow Vines Lane Droitwich Spa Worcestershire WR9 8LX</p> <p>Tel No. 01905-772534</p> <p>SAL Code: D054</p>	<p><i>Tensile</i> to BS 4A4 at room temperature.</p>
<p>DICKSON TESTING COMPANY INCORPORATED 11126 Palmer Avenue Southgate California 90280 USA</p> <p>Tel No. 310-862-8378</p> <p>SAL Code: 3315</p>	<p><i>Tensile</i> to ASTM E8 and ASTM E21 at room and elevated temperatures. <i>Izod Impact</i> to ASTM E23 at room temperature. <i>Stress Rupture</i> to ASTM E139 at room and elevated temperatures. <i>Creep Strain</i> to ASTM E139 at room and elevated temperatures - for production release only. <i>Low Cycle Fatigue</i> to ASTM E466 at room and elevated temperatures in load control. <i>High Cycle Fatigue (Axial)</i> to ASTM E466 at room and elevated temperatures. <i>Fracture Toughness</i> to ASTM E399 at room temperature.</p>
<p>DIRATS AND COMPANY INCORPORATED 41 Airport Road P O Box 39 Westfield Massachusetts 01086 USA</p> <p>Tel No. 413-568-1571</p> <p>SAL Code: 3260</p>	<p><i>Tensile</i> to ASTM E8 and ASTM E21 at room and elevated temperatures. <i>Izod Impact</i> to ASTM E23 at room temperature. <i>Charpy Impact</i> to ASTM E23 at room and sub-zero temperatures. <i>Stress Rupture</i> to ASTM E139 at room and elevated temperatures. <i>Creep Strain</i> to ASTM E139 at room and elevated temperatures - for production release only. <i>Low Cycle Fatigue</i> to ASTM E466 at room and elevated temperatures in load control. <i>High Cycle Fatigue (Axial)</i> to ASTM E466 at room and elevated temperatures. <i>Fracture Toughness</i> to ASTM E399 at room and elevated temperatures.</p>



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Rolls-Royce Deutschland Ltd & Co KG

Certificate
of
Approval

No. 103740

This is to certify that

Dickson Testing Company Inc.
Southgate, California, U.S.A.

Vendor Code: 200723

is approved for the following scope

- Test Piece Machining
- MSRR9920 Chemical Analysis
- MSRR9922 Mechanical Testing as Specified in CME5021
- MSRR9969 Hardness testing (Brinell and Rockwell)
- RPS953 Control of Heat Treatment
- Metallography
- Corrosion Testing

Projects: BR700, CFM56 and Tay

Issue date: 04 Sep 2006

Expiry date: 04 Sep 2009

i.V. Hans Niederhofer-Zimmer

Department Leader
Rolls-Royce Deutschland Ltd & Co KG

i.A. Alfred Wege

Purchase Quality
Rolls-Royce Deutschland Ltd & Co KG