

CUTTING FLUID QUALIFICATION SHEET

MATERIALS-PROCESSES LABORATORY

Report N° QFU158

Supplier : Teklube	Reference of product : Aero saf DHB
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① Tests performed for qualification :

Tests performed by : Exova, Bureau Veritas

References of test reports : T118045-1, T116516-6 and D-220816-06691 lot2

 Specification Safran Landing Systems referenced for tests : **PCS-4001 Issue 2**

Tests performed :	YES	NO
Corrosion test on non protected steel coupons	X	
Hydrogen embrittlement test as per ASTM F 519	X	
Corrosion test on cadmium plated steel coupons	X	
Corrosion test on aluminum alloy coupons	X	
Stress corrosion test		X
Tests on grounded hard chrome plating		X
Chemical analysis of amines : absence of secondary amines		X
Stress corrosion at high temperature on titanium alloy	X	

② Tests results :

Compliance of results with specifications	YES	NO
Corrosion test on non protected steel coupons	X	
Hydrogen embrittlement test as per ASTM F 519	X	
Corrosion test on cadmium plated steel coupons	X	
Corrosion test on aluminum alloy coupons	X	
Stress corrosion test		X
Tests on grounded hard chrome plating :		X
Chemical analysis of amines : absence of secondary amines		X
Stress corrosion at high temperature on titanium alloy	X	

③ Domains of use covered by qualification :

Uses authorized for referenced product :	YES	NO
Machining of steel with UTS < 1380 MPa, non assembled parts	X	
Machining of steel with UTS > 1380 MPa, non assembled parts	X	
Machining of aluminum alloys	X	
Machining of steel with UTS > 1380 MPa, assembled parts		X
Grinding of hard chrome coating		X
Grinding of WC-10Co-4Cr coating		X
Machining of titanium alloys	X	

Done at Bidos, on 16th, November, 2017

Written by :

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