

Measurement date: 2013/6/6
 Equipment name: AVIOR 2000 Equipment S/N: 270
 Measurer: K. HORIBE Back Ground: 0.26 Bq/cm²
 Filters check: Oil filter: [] Bq/cm²
 Fuel filter: [] Bq/cm²

Modules internal contamination check (highest value) Measure

Module	P/N	S/N	Item	Result
Module 1	70BM01 3110	15804	Intake	0.23
			Internal highest value*	0.23
			Outlet	0.29
Module 2	70BM02 7300	17717	Intake	0.31
			Internal highest value*	0.31
			Outlet	0.30
Module 3			Intake	
			Internal highest value*	
			Outlet	
Module 4	70BM04 3110	21899	Intake	0.28
			Internal highest value*	0.28
			Outlet	0.24
Module 5	70BM05 3110	21400	Intake	0.23
			Internal highest value*	0.23
			Outlet	0.23
Accessories and Parts	P/N	S/N	Result	

ARRIEL 1E2 47150

ARRIEL1 MO3 Radiation Check List

Engine type: ARRIEL 1E2 Engine SN: 47150
 MO3 PN: 70BM033150 MO3 SN: 22804
 Measure date: 2013/6/6 Measurer: K. HORIBE
 Equipment type: AVIOR 2000 Equipment SN: 270
 Background: 0.24 Bq/cm²

Parts	Measure	Result
Intermediate Casing	0.28	0.04
Compressor Cover	0.35	0.11
Combustion Chamber Outer	0.35	0.11
Turbine Casing Assy	0.43	0.19
Free Turbine Nozzle Guide Vane	0.43	0.19
Deflector	0.34	0.10
Cover	0.24	0.00
Bearing Support Assy	0.26	0.02
Labyrinth Cover Assy	0.26	0.02
Diffuser Assy	1.61	0.07
Combustion Chamber Inner	0.38	0.14
Labyrinth Enveloppe Assy	0.36	0.12
2nd Stage Nozzle Guide Vane	0.31	0.07
1st Stage Nozzle Guide Vane	0.44	0.20
Gas Generator Shield	0.45	0.21
2nd Stage Turbine Assy	0.27	0.03
Piston Shaft	0.38	0.14
Injection Wheel	0.34	0.10
Shaft	0.28	0.04
1st Stage Turbine Assy	0.35	0.11
Axial Bolt	0.38	0.14
Centrifugal Impeller	0.30	0.06
Turbine Bolt	0.31	0.07
Injector #1	0.24	0.00
Injector #2	0.24	0.00
Igniter #1	0.35	0.11
Igniter #2	0.34	0.10

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 Equipment name: Avior 2000 Equipment S/N: 270
 Measurer: K. HORIBE Back Ground: 0.23 Bq/cm²
 Filters check: Oil filter: [] Bq/cm²
 Fuel filter: [] Bq/cm²

Modules internal contamination check (highest value)

Measure

Modules	P/N	S/N	Name	Result
Module 1	70BM01 3110	15950	Inlet	0.20
			Internal highest value*	
			Outlet	0.22
Module 2	70BM02 7300	17866	Inlet	0.39
			Internal highest value*	
			Outlet	0.37
Module 3			Inlet	
			Internal highest value*	
			Outlet	
Module 4	70BM04 3110	22045	Inlet	0.23
			Internal highest value*	
			Outlet	0.22
Module 5	70BM05 3110	21551	Inlet	0.23
			Internal highest value*	
			Outlet	0.22
Accessories and Parts		P/N	S/N	Result

ARRIEL 1E2 47245

ARRIEL1 MO3 Radiation Check List

Engine type: ARRIEL 1E2 Engine SN: 47245
 MO3 PN: 70BM033150 MO3 SN: 25008
 Measure date: 2013/6/6 Measurer: K. HORIBE
 Equipment type: AVIOR 2000 Equipment SN: 270
 Background: 0.24 Bq/cm²

Parts	Measure	Result
Intermediate Casing	0.24	0.00
Compressor Cover	0.31	0.07
Combustion Chamber Outer	0.28	0.04
Turbine Casing Assy	0.32	0.08
Free Turbine Nozzle Guide Vane	0.34	0.10
Deflector	0.26	0.02
Cover	0.30	0.06
Bearing Support Assy	0.28	0.04
Labyrinth Cover Assy	0.28	0.04
Diffuser Assy	1.50	1.26
Combustion Chamber Inner	0.42	0.18
Labyrinth Enveloppe Assy	0.35	0.11
2nd Stage Nozzle Guide Vane	0.38	0.14
1st Stage Nozzle Guide Vane	0.45	0.21
Gas Generator Sheild	0.49	0.25
2nd Stage Turbine Assy	0.31	0.07
Piston Shaft	0.31	0.07
Injection Wheel	0.45	0.21
Shaft	0.46	0.22
1st Stage Turbine Assy	0.28	0.04
Axial Bolt	0.26	0.02
Centrifugal Impeller	0.38	0.14
Turbine Bolt	0.24	0.00
Injector #1	0.26	0.02
Injector #2	0.28	0.04
Igniter #1	0.46	0.22
Igniter #2	0.44	0.20