

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright 2000 Society of Automotive Engineers, Inc. All rights reserved.

TO PLACE A DOCUMENT ORDER: SAE WEB ADDRESS:

SAE ARP1755 Revision B

1.6 (Continued):

- j. Category 10: Aqueous cleaner
- k. Category 11: Alkaline degreaser
- I. Category 12: Organic solvent cleaner
- 1.7 Safety Hazardous Materials:

While the materials, methods, applications, and processes described or referenced in this aerospace recommended practice may involve the use of hazardous materials, this aerospace recommended practice does not address the hazards which may be involved in such use. It is the sole responsibility of the user to ensure familiarity with the safe and proper use of any hazardous materials and to take necessary precautionary measures to ensure the health and safety of all personnel involved.

1.8 Significance:

This aerospace recommended practice establishes a test procedure for determining the metal removal characteristics of aircraft turbine engine cleaning materials when used on a representative list of aircraft turbine engine alloys and coatings. This test result shall be compared with the following maximum stock loss per surface to establish acceptability for overhaul shop evaluation of cleaning performance characteristics:

- a. Bare Panels or Disks: 0.000025 in (0.635 µm)
- b. Electroplated Panels: 0.000025 in (0.635 µm)
- c. Plasma Coated Panels or Bars: 0.000100 in (2.5 µm)
- 2. APPLICABLE DOCUMENTS:

The following publications form a part of this aerospace recommended practice to the extent specified herein. The latest issue of SAE publications shall apply.

2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

- AMS 2400 Cadmium Plating
- AMS 2406 Chromium Plating, Hard Deposit
- AMS 2410 Silver Plating, Nickel Strike, High Bake
- AMS 2416 Nickel-Cadmium Plating, Diffused
- AMS 2418 Copper Plating
- AMS 2424 Nickel Plating, Low-Stressed Deposit
- AMS 2437 Coating, Plasma Spray Deposition
- AMS 2470 Anodic Treatment of Aluminum Alloys, Chromic Acid Process
- AMS 3065 Compound, Corrosion Preventive, Thin Film, Fingerprint Removing
- AMS 4037 Aluminum Alloy Sheet and Plate, 4.4Cu-1.5Mg-0.60Mn (2024; -T3 Flat Sheet, -T351 Plate)

SAE ARP1755 Revision B

2.1 (Continued):

AMS 4375 AMS 4442	Magnesium Alloy Sheet and Plate, 3.0Al-1.0Zn (AZ31B-O) Magnesium Alloy Castings, 3.3Ce-2.5Zn-0.70Zr (EZ33A-T5)
AMS 4507	Brass Sheet, Strip, and Plate, 70Cu-30Zn (CDA26000), Half Hard
AMS 4544	Alloy Sheet, Strip, and Plate, Corrosion Resistant, 67Ni-30Cu, Annealed
AMS 4640	Aluminum Bronze Bars, Rods, Forgings, and Tubing, 81.5Cu-10.3Al-5.0Ni-2.8Fe
AMS 4911	Titanium Alloy Sheet, Strip, and Plate, 6AI-4V, Annealed
AMS 4928	Titanium Alloy Bars, Forgings, and Rings, 6Al-4V, Annealed 120,000 psi (825 MPa) Yield Strength
AMS 5040	Steel Sheet and Strip, 0.15 max Carbon, Deep Forming Grade
AMS 5382	Alloy Castings, Investment, Corrosion and Heat Resistant, 54Co-25.5Cr-10.5Ni-7.5W
AMS 5504	Steel Sheet, Strip, and Plate, Corrosion and Moderate Heat Resistant, 12.5Cr (SAE 51410)
AMS 5508	Steel Sheet, Strip, and Plate, Corrosion and Moderate Heat Resistant, 13Cr-2.0Ni- 3.0W
AMS 5524	Steel Sheet, Strip, and Plate, Corrosion and Heat Resistant,18Cr-13Ni-2.5Mo (SAE 30316)
AMS 5525	Steel Sheet, Strip, and Plate, Corrosion and Heat Resistant, 15Cr-25.5Ni-1.2Mo- 2.1Ti-0.006B-0.30V
AMS 5536	Alloy Sheet, Strip, and Plate, Corrosion and Heat Resistant, 47.5Ni-22Cr-1.5Co- 9.0Mo-0.60W-18.5Fe
AMS 5537	Alloy Sheet, Corrosion and Heat Resistant, 52Co-20Cr-10Ni-15W
AMS 5544	Alloy Sheet, Strip, and Plate, Corrosion and Heat Resistant, 57Ni-19.5Cr-13.5Co- 4.2Mo-3.0Ti-1.4Al-0.05Zr-0.006B, Consumable Electrode or Vacuum Induction Moltod, Appealed
AMS 5596	Allov Sheet, Strip, and Plate, Corrosion and Heat Resistant, 52,5Ni-19Cr-3,0Mo-
	5.1(Cb+Ta)-0.9Ti-0.5Al-18Fe, Consumable Electrode or Vacuum Induction Melted, 1750°F (955°C) Solution Heat Treated
AMS 5613	Steel Bars, Forgings, Tubing, and Rings, Corrosion and Moderate Heat Resistant,
	12.5Cr (SAE 51410), Annealed
AMS 5661	Alloy Bars, Forgings, and Rings, Corrosion and Heat Resistant, 42.5Ni-12.5Cr-5.8Mo-
	2.9Ti-0.015B-35Fe, Consumable Electrode or Vacuum Induction Melted, Solution,
	Stabilization, and Precipitation Heat Treated
AIVIS 0431	Quality Consumable Electrode Vacuum Melted

3. MATERIALS:

Test materials shall conform to specification requirements or to composition requirements in Figure 1, as applicable. Test materials shall be obtained from commercial sources as available. When a test material is not commercially available, it may be obtained from the applicable engine manufacturer as indicated under Test Materials Sources, Figure 1.