Water Works Heavy Duty Degreaser and Blanket Press Wash Certified Compliance List *

Test Compliance	Description	Dilution	Materials Tested
Boeing D6-17487 Rev. P	Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds	Full Strength & 1:9	Sandwich Corrosion Test Acrylic Crazing Test Paint Softening Test Hydrogen Embrittlement test
Douglas Aircraft Company Customer Service Document CSD No. 1	Materials and Procedures for General Exterior Cleaning of Painted and Unpainted Surfaces (General Purpose Cleaner)	Full Strength & 1:9	Effect on Painted Surfaces Residue Sandwich Corrosion Stress Crazing Test on Acrylic Plastics Immersion Corrosion, Aluminum Cadmium Removal Hydrogen Embrittlement
AMS 156C	Cleaner for Exterior Surfaces Water-Miscible, Pressure-Spraying Type	Full Strength & 1:9	Sandwich Corrosion Total Immersion Corrosion Low-Embrittling Cadmium Plate Hydrogen Embrittlement Flash Point Effect on Transparent Acrylic Plastics Effect on Painted Surfaces Effect on Unpainted Surfaces
ARP 1755B	Effect of Cleaning Agents on Aircraft Engine Materials. Stock Loss Test Method. Category 10: Aqueous Cleaner	1:1	As specified in standard method.
Arp 1755B	Effect of Cleaning Agents on Aircraft Engine Materials. Stock Loss Test Method.	1:1	AMS 4434 (AZ92 Magnesium).
ASTM F 483	Standard Test Method for Total Immersion Corrosion Test for Aircraft Maintenance Chemicals	2:1	AMS 5046 (1020 Steel) AMS 5517 (301 Stainless Steel)
ASTM F 483	Standard Test Method for Total Immersion Corrosion Test for Aircraft Maintenance Chemicals	Full Strength	AMS 5046 (1020 Steel) AMS 5517 (301 Stainless Steel)
ASTM F 519	Standard Test Method for Mechanical Hydrogen Embrittlement Evaluation of Plating Processes and Service Environments	1:9	Type 1a1, low-embrittling cadmium plated in accordance with MIL-STD-870 Type I Class 1.
ASTM F 519	Standard Test Method for Mechanical Hydrogen Embrittlement Evaluation of Plating Processes and Service Environments	1:9	Type 1c, low-embrittling cadmium plated in accordance with MIL-STD-870 Type I Class 1.
Pratt & Whitney PWA 36604 Rev. D	Compatibility with PWA 407 Rubber	1:1	ASTM D 816 Method B, Type 1.
Pratt & Whitney PWA 36604 Rev. D	Stress Corrosion	1:9	ASTM F 945, Method A using AMS 4916.
Pratt & Whitney PWA 36604 Rev. D	Hot Corrosion	1:1	AMS 5544 (Waspaloy) AMS 5536 (Hastelloy X) AMS 5608 (Haynes 188) AMS 5508 (Greek Ascoloy) AMS 6359 (4340 Steel) AMS 4037 (2024-T3 Aluminum) AMS 4375 (AZ31B-0 Magnesium)
Pratt & Whitney PWA 36604 Rev. D	Compatibility with Non-Metallic Materials	Full Strength	AMS 7267 Silicon Rubber AMS 7271 Butadiene-Acrylonitrile Rubber AMS 7273 Fluorosilicone Rubber AMS 7276 Flurocarbon Rubber PWA 407 Rubber
Pratt & Whitney PWA 36604 Rev. D	Stress Corrosion	1:1	ASTM F 945, Method A using AMS 4911.

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Industry Approval	Description	Dilution	Test Method	Materials Tested
Honeywell (Allied Signal) EMS 53170	Material Requirements for Aqueous and Semi-aqueous Degreasing	1:1	Appendix A. Etch Rate Test Method	Bare Aluminum (2024-T6) Magnesium (AZ31) Bare low alloy steel (4130) Cadmium Plated steel (QQ-P-416 Type II) Titanium 6-4, Nickel based alloy (INCO625) Ferrous alloy A286, Stainless steel alloy (410 SS)
		2:1	Appendix B. Sandwich Corrosion Test Method (In accordance with ASTM F 1110)	7075-T6, 2024-T3, 7075-76 (spec: MIL-A-8625 Type II, Class 1) 2424-T3 (spec: MIL-A-8625 Type II, Class 1)
		1:1	Appendix C. Intergranular Attack Test Method	Bare Aluminum (2024-T6) Magnesium (AZ31) Bare low alloy steel (4130) Cadmium Plated steel (QQ-P-416 Type II) Titanium 6-4, Nickel based alloy (INCO625) Ferrous alloy A286, Stainless steel alloy (410 SS)
		1:1	Appendix F. Hydrogen Embrittlement Test Method (In accordance with ASTM F519).	Unplated, notched tensile bars made from AISI 4340 in accordance with ASTM F 519, Type 1a.
		1:1	Appendix G. Stress Corrosion and Hydrogen Pickup Test Method (In accordance with ASTM F 945).	AMS 4911 AMS 4916
South Coast Air Quality Management District: Certified as a Clean Air Solvent		1:1	EPA Method 24 VOC Content VOC 76.9 g/L (Neat) VOC 0.641 lb/gal (Neat)	Non-volatile content ASTM D2369 Water Content ASTM D4017 Density ASTM D1475

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Certifications	Description
Green Seal	**GS-34: Environmental Standard for Cleaning and Degreasing Agents.**

The performance requirements for Green Seal GS 34 have been meet. The process soil was successful cleaned at a 33% dilution using immersion cleaning, the maintenance soil cleaning when using ultrasonic energy at a 12.5% dilution of the product and the oil separation was successful when using the 12.5% dilution at room temperature.

Test Compliance	Description	Dilution	Materials Tested
ASTM G-122	Standard Test Method for Evaluating the Effectiveness of Cleaning Agents	33%	304 Stainless Steel Coupon
Mil-PRF87937C	Cleaning Compounds, Aerospace Equipment	33%	304 Stainless Steel Coupon
Mil-C-29602	Cleaning Compounds, for Parts Washers and Spray Cabinets	33%	304 Stainless Steel Coupon
ASTM D 323	Vapor Pressure (Reid Method) 9.2 mm Hg (0.2 psi) @37.8°C (100°F)		

Conforms to Nuclear Power Parts Cleaning Compatibility test : Sulfur wt% <0.005, Antimony PPM <5, Bismuth PPM <16, Cadmium PPM <0.2, Lead PPM <5, Tin PPM <5, Zinc PPM <10.

Evaluated with the Irritection Assay System in order to predict its potential for ocular and dermal irritation. The ocular results indicated that the sample of Heavy Duty Degreaser is a mild ocular irritant. The dermal results demonstrated that the sample is a dermal non-irritant.

Aquatic Biodegradability in accordance with ISO 9439.

* *"This product meets the Green Seal™ environmental standard for cleaning/degreasing agents based on its reduced hazard to humans, reduced aquatic impacts, reduced smog production, and low ozone depletion potential."*

NSF — **Category Code C1 – C Compound for use on all surfaces in inedible product areas, non- processing areas, and/or exterior areas.**

Nonfood Compounds
Program Listed Category C1
Registration #141453

Nonfood Compounds
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