

APPENDIX B

Test Man-Hours for Type of Fuel

Man hours for each type of test are based on the applicable test method. The hours cited for a particular test are for one individual to set up the laboratory test equipment, perform the test, report and file the results, and clean and put away the equipment, under normal operating conditions.

Table B-1. Test man hours for type of fuel

Characteristics	Approximate Man-Hours	Test Type B1	Test Type B2	Test Type B3	Test Type C
TYPES OF TEST REQUIRED ON AIRCRAFT TURBINE FUELS					
Water and Solids	10 minutes	X	X	X	X
Color (visual)	10 minutes	X	X	X	X
Specific or API Gravity	20 minutes	X	X	X	X
Solids (Millipore) Particulate	2 hrs., 50 min	X	X	X	
Contamination					
Distillation	1 hr., 30 min	X	X	X	
Copper Strip Corrosion	3 hrs., 50 min	X	X	X	
Freezing Point	1 hour	X	X	X	
Existent Gum	8 hours	X	X	X	
Reid Vapor Pressure	2 hours	X	X	X	
Flash Point	45 minutes	X	X	X	
Water Reaction	30 minutes	X	X	X	
Lead Content (if contamination with leaded fuels is suspected)	1 hr., 30 min	X	X	X	
Fuel System Icing Inhibitor (FSII)	1 hour	X	X	X	
Filtration Time (JP-4, JP-8)	2 hrs., 50 min	X	X	X	
Water Separation Index (min)	30 minutes	X	X	X	
Conductivity (JP-4, JP-8)	10 minutes	X	X	X	
Thermal Stability (D 3241)	8 hours		X		
Total Acid in Aviation Fuel	1 hour		X		
Color (Saybolt)	15 minutes		X		
Peroxide Number (JP-5)	30 minutes		X		

Table B-1. Test man hours by type of fuel (continued)

Characteristics	Approximate Man-Hours	Test Type B1	Test Type B2	Test Type B3	Test Type C
TYPES OF TESTS REQUIRED ON AUTOMOTIVE GASOLINE					
Appearance	10 minutes	X	X	X	X
Water and Solids (visual)	10 minutes	X	X	X	X
Color (visual)	10 minutes	X	X	X	X
Specific or API Gravity	20 minutes	X	X	X	X
Distillation	1 hr., 30 min	X	X	X	
Reid Vapor Pressure	2 hours	X	X		
Copper Strip Corrosion	3 hrs, 50 ,min		X	X	
Unwashed Gum	8 hours		X	X	
Oxidation Stability	8 hours		X		
Lead Content	6 hours			X	
TYPES OF TESTS REQUIRED ON DIESEL FUELS					
Appearance	10 minutes	X	X	X	X
Color (visual)	10 minutes	X	X	X	X
Specific or API Gravity	20 minutes	X	X	X	X
Distillation	1 hr, 30 min	X	X		
Flash Point	45 minutes	X	X	X	X
Carbon Residue	2 hours	X	X		
Cloud Point	1 hour		X		
Pour Point	1 hour		X		
Corrosion	2 hrs, 50 min		X		
Cetane Index	10 minutes		X		
Viscosity	2 hours		X		
Water and Sediment by Centrifuge	30 minutes		X		
Solids, Millipore, Particulate Contamination	2 hrs, 50 min	X	X		