
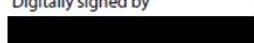

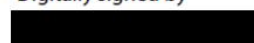


DCA21FA174

POWERPLANTS

Specialist's Factual Report - Attachment 3
Naval Supply & Systems Command Fuel Lab Report, July 7, 2021

October 5, 2022

ANALYSIS OF Jet A, Aviation Turbine Fuel						
FROM NAVSUP FLEET LOGISTICS CENTER JOINT BASE PEARL HARBOR HICKAM FUEL LABORATORY, CODE 704 300 NECHES ST. BLDG 1685 PEARL HARBOR, HI 96860				TO NATIONAL TRANSPORTATION SAFETY BOARD		
LAB SAMPLE NUMBER 21PH-1646		SAMPLE DESCRIPTION AIRCRAFT N809TA, SUMP TANK, SUMP SAMPLE, QUALITY CHECK				
DATE SAMPLED 7/3/2021 12:50 PM		DATE RECEIVED 7/7/2021 12:58 PM		DATE TESTS COMPLETED 7/7/2021 2:06 PM		
PRODUCT CODE JA		TEST TYPE B1		SAMPLE VOLUME 1 GALLON		
REPRESENTATIVE VOLUME * *		REPORT CREATED BY BF		SAMPLE TAKEN BY BOBBY SOON		
TEST METHOD	TEST	MIN	MAX	USE	RESULT	UNIT
D4176	APPEARANCE VISUAL OBSERVANCE VORTEX OBSERVANCE, PARTICULATES VORTEX OBSERVANCE, WATER	PASS REPORT REPORT REPORT			PASS C&B SLIGHT NONE	
REF B; TABLE XI	COLOR, DESCRIPTION	REPORT			PALE YELLOW	
D6045	COLOR, SAYBOLT	REPORT			24	
D5006	FUEL SYSTEM ICING INHIBITOR	0.07	0.10	0.06 - 0.15	**	%vol
D93	FLASH POINT, PMCC	38			43.0	°C
D4052	GRAVITY, API @60°F	37	51		**	
D4052	DENSITY @15°C	775	840		**	kg/m ³
D86	DISTILLATION, IBP 10% RECOVERED 20% RECOVERED 50% RECOVERED 90% RECOVERED END POINT RESIDUE LOSS	REPORT REPORT REPORT REPORT	205 300 1.5 1.5		149.1 168.2 175.3 197.1 241.6 263.8 1.2 1.1	°C °C °C °C °C °C %vol %vol
D5452	PARTICULATE CONTAMINATION		1.0		**	mg/L
NA	FILTRATION TIME	REPORT			**	min
NA	FILTRATION PRESSURE	REPORT			**	in Hg
D5972	FREEZE POINT		-40		-48.1	°C
D3948	WATER SEP. INDEX MODIFIED	70		60	**	
D130	COPPER CORROSION, 2h @100°C		1		**	
D381	EXISTENT GUM		7	10	**	mg/100 mL
D7797	FATTY ACID METHYL ESTER (FAME)		50		**	mg/kg
REF (A): ASTM D1655		REF (B): MIL-STD-3004				
PRODUCT AS REPRESENTED BY SAMPLE MEET:		ON SPEC				
SPEC. LIMITS OF REF (A)? YES		USE LIMITS OF REF (B)? YES				
REMARKS: *Information not recorded on tag. **Test not performed. Water paste did not detect the presence of water in the sample, see attached for additional details. <i>Results relate only to the sample(s) tested as received by the NAVSUP FLC Fuel Laboratory. The laboratory does not guarantee that the sample(s) submitted is representative of the entire source from which the sample(s) was claimed to be taken from.</i> <i>End user shall verify that the product meets their specification requirements before use and forward this report to their Military service control point.</i>						
TESTED BY MT  Digitally signed by  Date: 2021.07.07 14:34:51 -10'00'				VERIFIED BY  Digitally signed by  Date: 2021.07.07 14:54:10 -10'00'		