



FSII Percentage Calculator

Equipment ID	2JT27
Date	November 29, 2018
Completed By	JM
Units of Measure	Ounces
Total Prist Measured	18
Total Fuel Pumped (Gallons)	100
% of FSII	0.1406%
Parts per Million (PPM)	1406.3

To calculate FSII concentration %:

1. Choose the units of measure that you gathered: Ounces
 Milliliters
2. Enter the amout of prist received
3. Enter the amount of fuel pumped during the test
4. Verify % concentration is between .10% — .15% or 1000 — 1500 ppm



7

et-A

2896

Capacity: 3000

11/1/2019

Beginning Men

221927

857147

1329851

[illegible]

Fuel Form Meter		Front	Rear	Total Both Meters	Form D-1, 2
End	End	222044	857423		Truck D-1
Start	Start	221927	857147		Loss
Total	Total	217	276	393	Gain
Wen is closed	Oil Filled	Revised Qty	Dumped		Yardage

FILTER VESSEL RECORD - ANNUAL ELEMENT CHANGE

TATION: SUA

VESSEL ID: 2JT27

DATE: 01/23/2019

EXTERIOR INSPECTION	RESULT
Vessel nameplate secure/legible. Conversion data plate installed (if applicable)	S
Verify Similarity Data Sheets are on file & updated to reflect EN 1581/EI 1583 (if applicable)	NA
Base mounting bolts are secure	S
Air Eliminator check valve in good repair; drain clear of obstructions and not open to environment	S
Pressure Relief Valve not painted over; drain clear of obstructions and not open to environment	S
Manual sump Drain clear of obstructions and free of leaks	S
Upstream millipore connections present, covered and in direction of flow	S
Downstream millipore connections present, covered and in direction of flow	S
Direct Reading DP gauge present; calibrated and equipped	S

FILTER CHANGE/VESSEL INSPECTION	RESULT	RETURN TO SERVICE	RESULT
Shut down and lock out pump	S		S
Close Inlet/Outlet valves and open vent	S	Air eliminator is open	Yes
Drain fuel	S	Remove lock and start pump	S
Open cover & verify elements are secure	S	Slightly open inlet valve, slowly fill vessel	S
Remove elements and inspect their integrity	S	Fill vessel until air stops or fuel vents from AE	S
Inspect interior for sediment, water & microbial contamination	S	Inspect for leaks, repair as necessary	S
Wash interior with clean jet fuel	S	Fully open Inlet/Outlet valves	S
Inspect epoxy coating and repair if necessary	S	Record filter change date on record	S
Test water defense float for buoyancy if applicable	S	Placard filter change date on vessel (month & year)	C
Replace filter elements	YES	Placard date of last water defense check on vessel	NA
Tighten nuts on tie rod (washer should curl)	S	Circulate product at normal rate	S
Replace cover gasket, close lid, torque lid bolts	S		

RATINGS: S = Satisfactory C = Comments required in remarks section N/A = Not Applicable

SAMPLING POINT	MEMBRANE FILTRATION TEST ASTM D2766	WATER TEST
AFTER FILTRATION		(30 ppm allowable)
PARTICULATE		
CLAY		
* FILTER/SEPARATOR		
MONITOR ELEMENT		
Δ PRESSURE 4 psi		
GPM 300		
WET RATING G1		PPM = -5
DRY RATING A0	ATTACH MEMBRANE	SAMPLE SIZE 1 Gal/Liter

NOTE: ONE GALLON FLUSH - ONE GALLON SAMPLE

SIGNATURE OF PERSON PERFORMING TASK:

REMARKS:

Placard filter change date on order!

RETAIN ON FILE FOR 36 MONTHS

ATA FORM 103.09B

7/2017

AIRCRAFT FUELING EQUIPMENT CHECKS QUARTERLY, SEMI-ANNUAL, ANNUAL	STATION: SUA	EQUIPMENT ID: 2JT27	YEAR: 2019
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QUARTERLY

		1ST QTR	2ND QTR	3RD QTR	4TH QTR
1. VEHICLE INSPECTION	CONDITION CODE	S	S	S	
	CHECKED BY & DATE:	JM-3/27	JM-6/25	JM-9/27	
2. PRESSURE CONTROLS	CONDITION CODE	S	S	S	
PRIMARY FUEL PRESSURE SETTING (PSI)		35	30	35	
SECONDARY FUEL PRESSURE SETTING (PSI)		42	40	42	
	CHECKED BY & DATE:	JM-3/27	JM-6/25	JM-9/27	
3. WATER DEFENSE SYSTEM - EXTERNAL CHECK	CONDITION CODE	S	S	S	
	CHECKED BY & DATE:	JM-3/27	JM-6/25	JM-9/27	
4. INTERNAL VALVE CHECK	CONDITION CODE	S	S	S	
	CHECKED BY & DATE:	JM-3/27	JM-6/25	JM-9/27	
5. INTERLOCK OVERRIDE FUNCTION	CONDITION CODE	S	S	S	
	CHECKED BY & DATE:	JM-3/27	JM-6/25	JM-9/27	

SEMI-ANNUAL (ONLY REQUIRED IF USING REUSEABLE COUPLINGS ON FUEL HOSES)

1. PERIODIC HOSE PRESSURE TEST	10 ft	10 ft	10 ft	10 ft
TEST PRESSURE (PSI)				
CONDITION CODE				
CHECKED BY & DATE:				

ANNUAL

1a. FILTER MONITOR ELEMENT CHANGE - (req. every 12 months or 22psi)	CONDITION CODE	REQUIRED EVERY 12 MONTHS OR 22 PSI RECORD RESULTS ON FORM 103.09B	3. METER CALIBRATION	CONDITION CODE	S
	CHECKED BY & DATE:			CHECKED BY & DATE:	Regulen Inc-2/01/19
1b. FILTER COALESCER VESSEL INSPECTION (req. every 12 months)	CONDITION CODE	REQUIRED EVERY 12 MONTHS RECORD RESULTS ON FORM 103.09A	4. WATER DEFENSE SYSTEM INSPECTION & TEST	CONDITION CODE	S
	CHECKED BY & DATE:			CHECKED BY & DATE:	JM/BM-1/2019
1c. FILTER COALESCER / SEPARATOR ELEMENT CHANGE (req. every 36 months or 15psi)	CONDITION CODE	REQUIRED EVERY 36 MONTHS OR 15 PSI RECORD RESULTS ON FORM 103.09B	5. DIFFERENTIAL PRESSURE LIMITING DEVICE (MONITORS ONLY)	CONDITION CODE	N/A
	CHECKED BY & DATE:			CHECKED BY & DATE:	N/A
2. NOZZLE PRESSURE & DIFFERENTIAL PRESSURE GAUGES	CONDITION CODE	S	6. HYDRANT PIT COUPLERS	CONDITION CODE	N/A
	CHECKED BY & DATE:	JM-December		CHECKED BY & DATE:	N/A

REMARKS:

CONDITION CODES: S = SATISFACTORY; C = COMMENT (COMMENT REQUIRED IN REMARKS SECTION); N/U = NOT USED; N/A = NOT APPLICABLE
RETAIN ON FILE FOR 12 MONTHS

AIRCRAFT FUELING EQUIPMENT CHECKS	STATION: SUA	EQUIPMENT ID: 2JT27	MONTH: October	YEAR: 2019
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MONTHLY	CONDITION CODE	DATE	CHECKED BY
1. FILTRATION & FREE WATER TESTS	S	10/30	
2. STATIC SYSTEM CONTINUITY TEST ON EACH REEL RECORD OHMS			
REEL ID: <u>Clamp</u> OHMS: <u>1.2</u>	S	10/30	
REEL ID: <u>Plug</u> OHMS: <u>2.0</u>	S	10/30	
3. NOZZLE SCREENS	S	10/30	
4. NOZZLE SCREENS CLEANING (FOR EQUIPMENT WITH FILTER MONITORS)	NA	10/30	
5. FUEL HOSES	S	10/30	
6. SIGNS, LABELS & PLACARDS	S	10/30	
7. METER SEALS	S	10/30	
8. FIRE EXTINGUISHERS	S	10/30	
9. EMERGENCY FUEL SHUTOFF SYSTEM (EACH SYSTEM)	S	10/30	
FLOW RATE: <u>100gal</u>	S	10/30	
RECORD OVERRUN*: Front <u>4gal</u> Rear <u>4gal</u>	S	10/30	
RECORD TIME*: Front <u>3sec</u> Rear <u>3sec</u>	S	10/30	
10. DEADMAN CONTROL SYSTEM	S	10/30	
RECORD OVERRUN*: <u>100gal</u> & <u>8gal</u> OR	S	10/30	
11. LIFT PLATFORMS	NA	10/30	
12. REFUELING TRUCK TANK INTERIORS	RECORD RESULTS ON FORM 103.07C		
13. REFUELING TRUCK VENTS & DOME COVERS	S	10/30	
14. REFUELING TRUCK TROUGH DRAINS	S	10/30	
15. INSPECT FSII TANK INTERIOR (CLEAN AS NEEDED)	S	10/30	
16. FSII TANK LOCKED	S	10/30	
17. FSII (RECORD CONCENTRATION %) <u>100gal</u> & <u>16oz</u> = <u>1150%</u>	S	10/30	
18. CORRECTED DIFFERENTIAL PRESSURE - METHOD USED:	S	10/30	
OBSERVED DP <u>3.5</u> RATED FLOW RATE <u>320</u> ACTUAL FLOW RATE <u>245</u> CORRECTED DP <u>4.9</u>			

NOTE: VERIFY EACH DEVICE WILL COMPLETELY STOP FUEL FLOW BEFORE OVERRUN HAS EXCEEDED 5% OF ACTUAL FLOW RATE OR WITHIN 5 SECONDS, WHICHEVER IS LESS

REMARKS:

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RETAIN ON FILE FOR 12 MONTHS

ATA FORM 103-04B

05/2019

FILTER VESSEL RECORD - DAILY

STATION: SUA MONTH October YEAR 2019

VESSEL MFG.	Facet	DATE LAST ELEMENT CHANGE	Jan-19
MODEL NO.	HCS-C-333-1436	DATE LAST INTERIOR INSP.	Jan-19
FIXED UNIT NO.	N/A	P/N ELEMENTS INSTALLED	CAA33-5SB/SS436FB-5
MOBILE UNIT NO.	2JT27	TYPE OF ELEMENTS (CIRCLE ONE):	COALESCER (15 PSI MAX) MONITOR (22 PSI MAX)
RATED FLOW (GPM)	320	DATE WATER DEFENSE CHECK	Sep-19

DIFFERENTIAL PRESSURE RECORD

[illegible]

N/U = NOT USED

RETAIN ON FILE FOR 12 MONTHS

ATA FORM 103.06

07/2017

AIRCRAFT FUELING EQUIPMENT CHECKS

STATION: SUA

EQUIPMENT ID# 2JT27

MONTH: October

YEAR: 2019

DAILY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1. GENERAL CONDITION	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
2. FILTER SUMPS - RECORD RATINGS	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	
3. FILTER DIFFERENTIAL PRESSURE (RECORD PSI)*	N/U	N/U	N/U	N/U	N/U	N/U	N/U	N/U	N/U	0	1	1	N/U	1	1	1	N/U	0	0	N/U	N/U	N/U	N/U	2	N/U	N/U	1	N/U	N/U	0	0
4. DEADMAN CONTROLS	N/U	N/U	N/U	N/U	S	S	N/A	N/U	N/U	S	S	S	S	S	S	S	N/A	S	S	S	S	S	S	S	S	N/A	N/U	S	N/U	N/U	S
5. SAFETY INTERLOCKS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
6. NOZZLE FUELING PRESSURE (RECORD PSI)	N/U	N/U	N/U	N/U	N/U	N/U	N/U	N/U	N/U	42	24	28	N/U	22	24	30	N/U	18	30	N/U	C	S	S	26	N/U	N/U	24	N/U	N/U	S	S
7. HOSES, NOZZLES & SWIVELS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
8. STATIC REELS, CABLES & CLAMPS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
9. LIFT PLATFORMS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
10. FIRE EXTINGUISHERS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
11. SURGE/RELIEF TANKS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12. AIR TANKS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
13. REFUELING TRUCK TROUGHS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
14. REFUELING TRUCK BOTTOM LOADING PRE-CHECK	N/U	N/U	N/U	N/U	N/U	N/U	N/U	N/U	N/U	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	N/A	N/U	S	N/A	N/U	N/U
15. REFUELING TANK SUMPS - Front	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	
15a. ADDITIONAL TANK SUMP- Rear	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	
15b. ADDITIONAL TANK SUMP- IF APPLICABLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
16. LADDERS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
17. SPILL SUPPLIES	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
18. FUEL MATS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
19.. DESICCANT DRYER AND FSII LEVEL	S	S	S	S	S	S	C	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
20. FSII TANK LOCKED	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
IDENTIFICATION OF PERSON PERFORMING TASKS OR PERSON ACCEPTING RESPONSIBILITY THAT TASKS WERE PERFORMED																															

*Note: Use this form and form 103.06 to record daily differential pressure

REMARKS:

#19 - Needs replacement. Replaced 10/8
 10/10 - No single point fueling for Reading

CONDITION CODES: S = SATISFACTORY; C = COMMENT (COMMENT REQUIRED IN REMARKS SECTION); N/U = NOT USED; N/A = NOT APPLICABLE

RATING OF SUMP SAMPLES:

SOLIDS: 1 = CLEAN, 2 = SLIGHT, 3 = PARTICULATE, 4 = DIRTY

MOISTURE CONTENT: A = BRIGHT, B = HAZY, C = CLOUDY, D = WET (FREE WATER), E = SURFACTANTS

RETAIN ON FILE FOR 12 MONTHS

ATA/FORM 103.04A

05/2019

FILTER VESSEL RECORD - DAILY

STATION: SUA MONTH November YEAR 2019

VESSEL MFG.	<u>Facet</u>	DATE LAST ELEMENT CHANGE	<u>Jan-19</u>
MODEL NO.	<u>HCS-C-333-1436</u>	DATE LAST INTERIOR INSP.	<u>Jan-19</u>
FIXED UNIT NO.	<u>N/A</u>	P/N ELEMENTS INSTALLED	<u>CAA33-5SB/SS436FB-5</u>
MOBILE UNIT NO.	<u>2JT27</u>	TYPE OF ELEMENTS (CIRCLE ONE):	COALESCER (15 PSI MAX) MONITOR (22 PSI MAX)
RATED FLOW (GPM)	<u>320</u>	DATE WATER DEFENSE CHECK	<u>Sep-19</u>

DIFFERENTIAL PRESSURE RECORD

DIFFERENTIAL PRESSURE (PSI)	25																																
	24																																
	23																																
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	1	<input checked="" type="text"/>																															
	N/U	<input checked="" type="text"/>																															
		DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	SIGNATURE																																

N/U = NOT USED

RETAIN ON FILE FOR 12 MONTHS

ATA FORM 103.06

07/2017

AIRCRAFT FUELING EQUIPMENT CHECKS

STATION: SUA

EQUIPMENT ID# 2JT27

MONTH: November

YEAR: 2019

DAILY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1. GENERAL CONDITION	S	S	S																												
2. FILTER SUMPS - RECORD RATINGS	1A	1A	1A																												
3. FILTER DIFFERENTIAL PRESSURE (RECORD PSI)*	1	1A																													
4. DEADMAN CONTROLS	S	NA																													
5. SAFETY INTERLOCKS	S	S	S																												
6. NOZZLE FUELING PRESSURE (RECORD PSI)	200	NA	S																												
7. HOSES, NOZZLES & SWIVELS	S	S	S																												
8. STATIC REELS, CABLES & CLAMPS	S	S	S																												
9. LIFT PLATFORMS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
10. FIRE EXTINGUISHERS	S	S	S																												
11. SURGE/RELIEF TANKS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12. AIR TANKS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
13. REFUELING TRUCK TROUGHS	S	S	S																												
14. REFUELING TRUCK BOTTOM LOADING PRE-CHECK	S	NA																													
15. REFUELING TANK SUMPS - Front	1A	1A	1A																												
15a. ADDITIONAL TANK SUMP- Rear	1A	1A	1A																												
15b. ADDITIONAL TANK SUMP- IF APPLICABLE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
16. LADDERS	S	S	S																												
17. SPILL SUPPLIES	S	S	S																												
18. FUEL MATS	S	S	S																												
19. DESICCANT DRYER AND FSII LEVEL	S	S	S																												
20. FSII TANK LOCKED	S	S	S																												
IDENTIFICATION OF PERSON PERFORMING TASKS OR PERSON ACCEPTING RESPONSIBILITY THAT TASKS WERE PERFORMED	[REDACTED]																														

*Note: Use this form and form 103.06 to record daily differential pressure

REMARKS:

CONDITION CODES: S = SATISFACTORY; C = COMMENT (COMMENT REQUIRED IN REMARKS SECTION); N/U = NOT USED; N/A = NOT APPLICABLE

RATING OF SUMP SAMPLES:

SOLIDS: 1 = CLEAN, 2 = SLIGHT, 3 = PARTICULATE, 4 = DIRTY

MOISTURE CONTENT: A = BRIGHT, B = HAZY, C = CLOUDY, D = WET (FREE WATER), E = SURFACTANTS

RETAIN ON FILE FOR 12 MONTHS

ATA FORM 103.04A

05/2019

Attachment 1: NTSB Photograph of Samples From Fuel Truck (7) and Fuel Farm (4) that Serviced the truck.

