

RED HILL TANK NO. 2
PRODUCT: JP-5

<u>DATE</u>	<u>REMARKS</u>
10/28/47	First leak developed. #9 Telltale started leaking at liquid level of 231'-2-3/4". Ullage 14'-11-1/16" (leaking oil).
10/29/47 issues	Started transferring oil to surface tank #54 and to ships.
2/26/48	Tank emptied via 18", line to #2 surge tank (#6 pump).
3/48-4/48	Cleaned and washed tank. Filled and tested tank with water. Telltale still leaking. Emptied water.
5/3/48	Filled water in tank. #2 telltale started leaking at liquid level 21'-2-3/4". Emptied tank again. Leak found.
5/4/48	Filled water in tank. Stopped at about 230'-0-0". No leaks on telltales.
5/18/48	Emptied water in tank to Halawa Stream.
5/24/48	Tank back in commission. Started filling with diesel oil.
6/15/48	Tank topped off. Ullage: 15'-5-3/8". No leaks.
5/17/54 water	Second leak developed. #9 telltale started leaking

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at 198'-6-3/8". Ullage: 47'-7-5/16". 3 pints in 2 hours.

5/18/54 #1 telltale started leaking water at 189'-2-1/2" (10 gals. in 7 hours).

5/20/54 Secured all valves on issue line. Sounding: 180'-4-5/8". #9 telltale stopped leaking. #1 telltale dripping water only.

7/9/54 Topped off tank 228'-0-7/8". Ullage 18'-0-7/8".
Leaking

water on #1 telltale about 1 quart in 8 hours.

7/13/54 Put 1 can of green dye into tank to determine tank leak.

Took sample from #1 telltale for analysis.

8/17/54 Opened tank for issues. Telltale still dripping water.

4/28/58 Telltale leaking one drop per second.

5/12/58 Telltale stopped leaking.

9/59 Repaired leak on 16" diesel oil line. Cost: \$22.77.

6/60 Cleaned tank.

7/60 Pictures on file.

8/60 Changed collector ring and 1-1/4" pipe. Renewed all
3/4"

jumper and telltale pipes up to tank crest. All lines were painted with Devron--one coat of paint primer,

two

coats of green, and one coat each of orange and white.

Labor Cost: \$1952.40. Material: \$168.

9/7/60 Replaced all rusted drip cups on telltale systems on tank. Labor Cost: \$44.80. Material: \$6.10.

10/11/63 Calibrated gauge.

10/24/67 Installed new housing on motor valve.

11/9/67 Reset and tested limitorque switch.

3/5/73 Welded flat bars on catwalk. Labor Cost: \$80.

3/8/73 Welded 6" stub and flange on 10" water line.

3/9/73 Completed cleaning bottom of tank. Labor Cost: \$280.

4/73 Cleaned tank.

12/28/81 Tank removed from service for initial repairs and lining.

9/27/82 Final inspection of tank held and tank was accepted.

4/1/83 Tank still being tested for leaks. If necessary, the contractor will return in August or September 1983 for

a

final rework.

RED HILL TANK NO. 3 PRODUCT: JP-5

<u>DATE</u>	<u>REMARKS</u>
3/2/53	Cleaned tank. Labor Cost: \$1896.60. Material: \$390.20
7/5/53	Repaired leak on collector ring. Labor Cost: \$375. Material: \$68.75
3/63	Tank cleaned. Remained open until August 1963. Tank reinspected, bottom swept, and refilled on 19 August 1963.
10/63	Calibrated gauge.
10/63	Worked on selsyn motor. No reading on automatic gauge. Defective wiring.
10/63	Completed repairs to wiring of selsyn motor. Recalibrated gauge.
8/63	Cleaned tank.
5/27/70	Emptied and cleaned for conversion.
6/1-9/70 (160	Mucking tank for conversion to Navy Distillate Fuel hours). Labor Cost: \$1,065. Material: \$75.
8/27/70	Tank filled with Navy Distillate Fuel.
9/27/70	Converted to Navy Distillate.
4/3/73 Diesel	Emptied and cleaned for conversion. Converted to Fuel Marine.
4/4/73	Completed hose down of tank. Labor Cost: \$320.

4/27/73 Removed section of 32" pipe. Labor Cost: \$60.

5/73 Cleaned tank.

5/73 Changed product Navy Distillate to JP-5.

5/1/73 Installed 38" steel flange inside tank.

5/22/73 Cleaned tank with diesel fuel oil. Labor Cost: \$350.

5/73 Washed with Navy Distillate from Tank #6.

5/24/73 Installed 32" blank flange at lower tunnel.

9/11/73 Telemeter system installed.

10/3/73 Installed 16" flanges and blanks inside tank to
isolate
from NSFO. Tank converted to JP-5.

12/14/73 Blind on 18" removed.

12/26/73 Filled tank with JP-5 from Tank #17.

3/5/82 Tank was removed from service and turned over for
initial
repairs and lining.

12/1/82 Final inspection of tank was held and tank was
accepted.

RED HILL TANK NO. 4 PRODUCT: JP-5

<u>DATE</u>	<u>REMARKS</u>
1/28/53	Cleaned tank. Labor Cost: \$1940.25. Material Cost: \$480.50
10/24/59	Leak on drain line. <u>Note</u> : drain line patched and subsequently renewed following tank cleaning.
3/60	Serviced automatic gauge. Labor Cost: \$6.28
3/61 jumper	Cleaned tank. Replaced collector ring and telltale pipes. Labor Cost: \$525. Material: \$45. <u>Note</u> : float guide line repaired also.
10/11/63	Calibrated gauge.
11/8/67 Replaced ,	Repaired telemetering readout for tank blackout. defective lamps and checked reading up to 40 feet.
12/29/70	Emptied and cleaned tank for conversion. Labor Cost: \$1,520.
2/17/71	Converted tank to Navy Distillate.
4/25/73 Diesel	Emptied and cleaned for conversion. Converted to Fuel Marine. Telemeter system installed.
4/26-6/5/73 valve	Cleaned tank. Labor Cost: \$750. Installed 6" gate

on drain line and removed sections of 32" fill line.

6/4/73 Installed 32" blank flange on 32" fill line.

6/6/73 Installed 32" blind and manhole in lower tunnel.

10/3/73 Installed 16" flange and blanks inside tank to isolate
from

NSFO. Tank converted to JP-5 fuel.

1/26/74 Filled with JP-5 from Tank 17. Topped off FALCON
PRINCESS.

9/1/81 Tank was removed from service and turned over to the
contractor for initial repairs and lining.

12/10/82 Tank was inspected and okayed for refill. This is the
last of the 16 Red Hill tanks to complete basic
repairs

and lining. All tanks are now in either leak test or
leak repair phase of the project.

4/1/83 Tank is still being tested for leaks. If necessary,
the

contractor will return in August or September 1983 for
a

final rework.

RED HILL TANK NO. 5 PRODUCT: JP-5

<u>DATE</u>	<u>REMARKS</u>
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10/20/52	Cleaned tank. Labor Cost: \$1950. Material: \$430
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10/11/63	Calibrated gauge.
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5/14/64	Cleaned tank.
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3/21/65	Telltale #2 started to leak. Rate of leakage one gallon in 1 hour 15 minutes with 14'-10-1/2" ullage. NSFO leakage analyzed. Oil is clean; analysis identical with product in tank. Leak in telltale piping suspected. Tank worked on intermittently for six months; no leak found. Tank filled. Trace amount of leakage in telltale #2. Suspect leak partially rusted over. Estimated labor cost: \$1800.
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4/6/70	Emptied and cleaned for conversion. Contract N62471-70 C0288, Red Hill Increment I for conversion to Navy Distillate.
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2/10/71	Emptied and cleaned for conversion. Converted to Navy Distillate. Telemeter system installed.
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12/29/71 Turned back by contractor to NSC and topped off with Navy Distillate.

2/10/72 Telltale leak found--about 2 quarts per day.

8/73 32" line blanked in tank.

8/8/74 Emptied tank.

8/19/74 Tank opened and washed down for conversion from Navy Distillate to JP-5. Blank installed on 32" line inside tank. Bottom welds 144 plates extending up for approximately 6') magnafluxed by Shipyard QAR. See report on file.

8/21/74 Inspected tank--okay.

10/74 Tank converted from Navy Distillate to JP-5.

12/23/75 Leak on 10' sample tap. Transfer JP-5 to Tank 55 and PC Tank 4. Completed 25 December 1975. Started to transfer to Red Hill at 0950, 30 December 1975. Finished 2030, 3 January 1976.

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12/29/75 Facilities Branch installed 4-3/4" valves on sample lines.

1/76
of

A leak in a sample line required an unusual transfer

JP-5 to a cleaned Pearl City JP-4 Tank 4. Repairs were completed and product returned to Tank 5.

5/10/81

Tank was removed from service and turned over to the contractor for initial repairs and lining.

4/21/82
Specialist

The Deputy Director and Distribution Facilities

participated in a final inspection of tank. Many discrepancies were noted and tank was not accepted.

4/22/82

Reinspection of tank was held at which time the tank passed.

4/1/83
the

Tank is still being tested for leaks. If necessary,

a

contractor will return in August or September 1983 for final rework.

