Aircraft currently-registered (but not necessarily active, or even airworthy) are highlighted in green, thus HS-LTT.

- HS-LTI Boeing 737-9GP(ER)/W; c/n 38738; ex N5515R, (PK-LKZ); regd 18Oct13 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 20Oct13; operated last service 24Mar20 (*due to Covid suspensions*) & stored at Don Mueang; transferred to Lion Air as PK-LQR 25Mar20; [departed Don Mueang 22Apr20]
- HS-LTH Boeing 737-9GP(ER)/W; c/n 38739; ex N1786B; regd 29Oct13 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 31Oct13; operated last service 24Mar20 (due to Covid suspensions) & stored at Don Mueang; re-entered service 01Jun20; ferried to Batam 02Nov20; ferried to Don Mueang 08Dec20; re-entered service 09Dec20; operated last service 12Jly21 & stored at Don Mueang; ; ferried to Jakarta 03Aug21; ferried Jakarta to San Bernadino, CA 10/11Aug21; to VP-CFX; [to N951DA]
- HS-LFH ATR-72-600; c/n 1134; ex F-WWEW; regd 21Feb14 to Thai Lion Mentari Co. Ltd; leased from Aviation Singapore; dd to Don Mueang 25Feb14; canx 12Dec14 (to Indonesia); to PK-WGS
- HS-LTL Boeing 737-9GP(ER)/W; c/n 38748; ex N5573B; regd 14Mar14 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 16Mar14; operated last service 17Mar20 (*due to Covid suspensions*) & stored at Don Mueang; re-entered service 02Jun20; ferried to Batam 02Jun21; returned to Don Mueang 19Jun21; re-entered service 20Jun21; operated last service 11Jly21 & stored at Don Mueang; ; ferried Jakarta to San Bernadino, CA 21/23Aug21; to VP-CIE; *[to N955DE]*
- HS-LTM Boeing 737-9GP(ER)/W; c/n 38749; ex N1796B; regd 26Mar14 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 28Mar14; operated last service 16Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSI 07Apr20; [departed Don Mueang 22Apr20]
- HS-LTJ Boeing 737-9GP(ER)/W; c/n 39823; regd 08Sep14 to Thai Lion Mentari Co. Ltd; leased from CIT Aerospace; dd to Don Mueang 09Sep14; operated last service 21Feb20; ferried to Batam 22Feb20; returned to Don Mueang 15Mar20 & stored; operated flights to Jakarta 23May20 & several more times in Jun20 & Jly20, to Guangzhou 25May20 & several more times in Jun20; to Surabaya 27May20 & 11Jun20; re-entered service 29May20; operated last service 12Jly21 & stored at Don Mueang; ferried to Jakarta 13Aug21; ferried Jakarta to San Bernadino, CA 23/25Aug21; to VP-CIK; [to N956DD]
- HS-LTO Boeing 737-9GP(ER)/W; c/n 39824; ex N1787B; regd 22Sep14 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 24Sep14; operated last service 15Mar20; ferried to Batam 16Mar20; returned to Don Mueang 22Apr20 & stored; transferred to Lion Air as PK-LSQ 30Apr20; [departed Don Mueang 11May20]
- HS-LTK Boeing 737-9GP(ER)/W; c/n 38304; ex (PK-LPJ); regd 03Dec14 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 09Dec14; operated last service 24Mar20 (*due to Covid suspensions*) & stored at Don Mueang; operated repatriation flight to Dhaka 23May20; re-entered service 26May20; operated last service 13Jly21 & stored at Don Mueang; ferried to Jakarta 13Aug21; to VP-CEL; [to N936DA]
- HS-LTP Boeing 737-9GP(ER)/W; c/n 38301; ex (PK-LPK); regd 04Dec14 to Thai Lion Mentari Co. Ltd; dd to Batam, Indonesia 09Dec14; dd to Don Mueang 12Dec14; operated last service 24Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSG 16Apr20; [departed Don Mueang 22Apr20]
- HS-LTQ Boeing 737-9GP(ER)/W; c/n 39832; regd 23Jan15 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 24Jan15; operated last service 15Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSJ 07Apr20; [departed Don Mueang 22Apr20]

- HS-LTR Boeing 737-9GP(ER)/W; c/n 39837; regd 01Apr15 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 03Apr15; operated last service 16Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSK 07Apr20; [departed Don Mueang 22Apr20]
- HS-LTS Boeing 737-9GP(ER)/W; c/n 39839; regd 12May15 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 16May15; operated last service 18Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSL 07Apr20; [departed Don Mueang 22Apr20]
- Boeing 737-9GP(ER)/W; c/n 39860; regd 29May15 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 31May15; operated last service 23Mar20 (*due to Covid suspensions*) & stored at Don Mueang; operated repatriation flights to Kathmandu 01May20, to Jakarta 11May20 & 18May20, to Guangzhou 11May20 & 18May20, & to Dhaka 14May20; re-entered service 19Jun20; ferried to Batam 15Mar21; returned to Don Mueang 05Apr21; re-entered service 06Apr21; operated last service 20Jly21 & stored at Don Mueang; re-entered service 01Sep21; current on 30Jan23 CAAT register; operated last service 06Feb23; ferried to Batam 07Feb23; ferried to Don Mueang 16Mar23; re-entered service 16Mar23
- HS-LTU Boeing 737-9GP(ER)/W; c/n 39841; regd 15Jun15 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 17Jun15; operated last service 23Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSM 16Apr20; [departed Don Mueang 22Apr20]
- HS-LUH

 Boeing 737-8GP/W; c/n 39859; regd 21Jly15 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 23Jly15; operated last service 25Mar20 (due to Covid suspensions) & stored at Don Mueang; operated a repatriation flight to Jakarta, returning to Don Mueang via Hat Yai, 06Apr20; reentered service 01May20; ferried to Batam 06May21; returned to Don Mueang 29May21; reentered service 31 May21; operated last service 20Jly21 & stored at Don Mueang; re-entered service 01Sep21; current on 30Jan23 CAAT register
- HS-LUI Boeing 737-8GP/W; c/n 39861; ex N1798B; regd 01Aug15 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 14Aug15; operated last service 04Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LQV 18Mar20; [departed Don Mueang 19Mar20]
- HS-LUJ Boeing 737-8GP/W; c/n 39864; regd 28Sep15 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 06Oct15; operated last service 19Mar20 (due to Covid suspensions) & stored at Don Mueang; reentered service 19Jun20; operated last service 18Jun21; ferried to Batam 19Jun21; returned to Don Mueang 04Aug21; re-entered service 01Sep21; current on 30Jan23 CAAT register
- HS-LUK Boeing 737-8GP/W; c/n 39868; regd 09Oct15 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 10Oct15; operated last service 03Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LQW 18Mar20; [departed Don Mueang 19Mar20]
- HS-LUL Boeing 737-8GP/W; c/n 39873; regd 14Dec15 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 16Dec15; operated last service 04Mar20 (*due to Covid suspensions*) & stored at Don Mueang; transferred to Lion Air as PK-LQY 23Mar20; [*departed Don Mueang 24Mar20*]
- HS-LUO Boeing 737-8GP/W; c/n 39879; regd 05Feb16 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 06Feb16; operated last service 04Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LQZ 17Mar20; [departed Don Mueang 18Mar20]
- Boeing 737-8GP/W; c/n 40060; regd 20Apr16 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 22Apr16; operated last service 24Mar20 (*due to Covid suspensions*) & stored at Don Mueang; reentered service 01May20; operated last service 18Jly21 & stored at Don Mueang; re-entered service 01Sep21; current on 30Jan23 CAAT register
- HS-LUP Boeing 737-8GP/W; c/n 40062; ex N1786B; regd 11May16 to Thai Lion Mentari Co. Ltd; dd to

Don Mueang 13May16; operated last service 25Mar20 (due to Covid suspensions) & stored at Don Mueang; operated last service 25Mar20 (due to Covid suspensions) & stored at Don Mueang; re-entered service domestic 08May20; operated last service 04Jan21 & stored at Don Mueang; ferried to Batam 01Nov21; ferried to Don Mueang 25Nov21; re-entered service 13Dec21; current on 30Jan23 CAAT register

- HS-LTV Boeing 737-9GP(ER)/W; c/n 38306; regd 28Jly16 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 31Jly16; operated last service 24Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSO 07Apr20; [departed Don Mueang 22Apr20]
- HS-LTW Boeing 737-9GP(ER)/W; c/n 38307; regd 12Aug16 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 14Aug16; new CofR 29Feb18; operated last service 24Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSP 16Apr20; [departed Don Mueang 22Apr20]
- HS-LTY Boeing 737-9GP(ER)/W; c/n 38312; regd 29Sep16 to Thai Lion Mentari Co. Ltd; leased from Aergo; dd to Don Mueang 04Oct16; operated last service 24Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSH 16Apr20; [departed Don Mueang 22Apr20]
- HS-LTZ Boeing 737-9GP(ER)/W; c/n 43188; regd 28Mar17 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 30Mar17; operated last service 19Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSR 16Apr20; [departed Don Mueang 22Apr20]
- Boeing 737-8GP/W; c/n 38681; ex PK-LKG; dd to Don Mueang (as PK-LKG) 19May17; regd 22May17 to Thai Lion Mentari Co. Ltd; entered service 25May17; operated last service 24Mar20 (due to Covid suspensions) & stored at Don Mueang; re-entered service 19Jun20; ferried to Batam 17Aug20; returned to Don Mueang 24Sep20; re-entered service 25Sep20; ferried to Batam 29May21; returned to Don Mueang 02Jun21; re-entered service 03Jun21; operated last service 19Jly21 & stored at Don Mueang; re-entered service 03Sep21; operated last service 25Jly22 & stored at Don Mueang; ferried to Batam 10Aug22; ferried to Don Mueang 20Sep22; re-entered service 23Sep22; current on 30Jan23 CAAT register
- HS-LUV

 Boeing 737-8GP/W; c/n 38724; ex PK-LKI; dd to Don Mueang (as PK-LKI) 13Jly17; regd 21Jly17 to Thai Lion Mentari Co. Ltd; entered service 28Jly17; operated last service 24Mar20 (due to Covid suspensions) & stored at Don Mueang; re-entered service 19Jun20; ferried to Batam 24Sep20; returned to Don Mueang 02Nov20; operated last service 19Jly21 & stored at Don Mueang; re-entered service 01Sep21; operated last service 26Sep22 & stored at Don Mueang; ferried to Batam 30Sep22; ferried to Don Mueang 31Oct22; re-entered service 01Nov22; current on 30Jan23 CAAT register
- HS-LAH Airbus A330-343; c/n 1820; ex F-WWCU, (9M-LFC); regd 20Nov17 to Thai Lion Air; dd to Don Mueang 22Nov17; certification flight to Hanoi 08Dec17; entered service 16Dec17; operated last service 29Feb20; canx; to PK-LEL
- HS-LAJ Airbus A330-343; c/n 1832; ex F-WWYS, (9M-LFF); regd 04Dec17 to Thai Lion Air; dd to Don Mueang 07Dec17; entered service 16Dec17; operated last service 27Jan20; canx Feb20; to PK-LEM
- HS-LAI Airbus A330-343; c/n 1828; ex F-WWCX, (9M-LFD); regd 11Dec17 to Thai Lion Air; dd to Don Mueang 13Dec17; entered service 20Dec17; operated last service 22Oct19; canx; to PK-LDY
- HS-LUW Boeing 737-8GP/W; c/n 38691; ex PK-LLH, PK-LKU; dd to Don Mueang (as PK-LKU) 28Dec17; regd 28Dec17 to Thai Lion Mentari Co. Ltd; entered service 01Jan18; operated last service 02Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LSF 17Mar20; [departed Don Mueang 18Mar20]

- HS-LSH Boeing 737-9MAX; c/n 42991; ex N1786B; regd 21Mar18 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 23Mar18; entered domestic service 02Apr18; wfs 13Apr19 following worldwide grounding of Boeing 737MAX types; stored at Don Mueang until ferried to Batam, Indonesia 07Sep20; current on 10Jun21 & 07Jan22 CAAT registers; airtest, Batam Don Mueang Batam, 07Jly22; to PK-LRG Sep22
- HS-LSI

 Boeing 737-9MAX; c/n 42992; ex N1786B; regd 27Apr18 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 02May18; entered domestic service 07May18; starboard engine shut down on climb out from Chiang Mai 12May18; ferried back to Don Mueang 26May18 & re-entered service 27May18; ferried to Kuala Lumpur (Subang) 12Apr19 & wfs following worldwide grounding of Boeing 737MAX types; ferried from Subang to Batam, Indonesia 25Dec19; current on 10Jun21 & 07Jan22 CAAT registers; airtest, Batam Don Mueang Batam, 06Jly22; current on 30Jan23 CAAT register
- HS-LSK
 Boeing 737-9MAX; c/n 42989; ex N739EX; retained by Boeing for tests & certification flying; exported to Thailand 25Oct18; regd Oct18 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 04Nov18; wfs 13Apr19 following worldwide grounding of Boeing 737MAX types; stored at Don Mueang; ferried to Batam, Indonesia 08Dec20; current on 10Jun21 & 07Jan22 CAAT registers; airtest from/to Batam 14Dec22; ferried Batam Kuala Lumpur/KUL Jakarta 28Dec22; to PK-LRF Dec22
- (HS-LSJ) Boeing 737-9MAX; c/n 42987; ex N7379E; retained by Boeing for tests & certification flying; due for Thai Lion Mentari Co. Ltd; exported to Thailand 25Apr19; lease from Lion Air canx May19, before dd, & stored at Boeing Field, Seattle, WA; not listed on 17Jly20 (or subsequent) CAAT registers
- (HS-LVH) Boeing 737-9GP(ER)/W; c/n 43213; ntu; reallocated to Lion Air; to PK-LPW
- HS-LVH Boeing 737-9GP(ER)/W; c/n 37284; ex PK-LHV; regd May19 to Thai Lion Mentari Co. Ltd; dd to Don Mueang (as PK-LHV) 15May19; entered service 28May19; operated last service 04Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LQS 13Mar20; [departed Don Mueang 14Mar20]
- HS-LVI Boeing 737-9GP(ER)/W; c/n 38311; ex PK-LJK; regd Jun19 to Thai Lion Mentari Co. Ltd; dd to Don Mueang (as PK-LJK) 22Jun19; entered service 28Jun19; operated last service 03Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LQT 13Mar20; [departed Don Mueang 14Mar20]
- HS-LAK Airbus A330-941neo; c/n 1933; ex F-WWCO; regd Oct19 to Thai Lion Mentari Co. Ltd; leased from Transportation Partners; dd to Don Mueang 23Oct19; entered service 27Oct19; operated last service 24Mar20 (due to Covid suspensions) & stored at Don Mueang; operated repatriation flights from Don Mueang to Tokyo 08Apr20, 20Apr20 & 27Apr20; transferred to Lion Air as PK-LES 08May20; [departed Don Mueang 11May20 to Batam]
- HS-LAL Airbus A330-941neo; c/n 1939; ex F-WWYX; regd Oct19 to Thai Lion Mentari Co. Ltd; leased from Transportation Partners; dd to Don Mueang 01Nov19; entered service 04Nov19; operated last service 15Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LET 08May20; [departed Don Mueang 11May20 to Batam]
- HS-LVJ Boeing 737-9GP(ER)/W; c/n 37290; ex PK-LJL; regd Nov19 to Thai Lion Mentari Co. Ltd; dd to Don Mueang (as PK-LJL) 08Nov19; operated last service 04Mar20 (due to Covid suspensions) & stored at Don Mueang; transferred to Lion Air as PK-LQU 16Mar20; [departed Don Mueang 17Mar20]
- (HS-LAQ) Airbus A330-941neo; c/n 1956; ex F-WWKM; regd Jan20 to Thai Lion Mentari Co. Ltd; stored at Updated 25Nov23

- Toulouse; ferried to Châteauroux 07Jly20; not listed on 17Jly20 CAAT register; to PK-LEQ
- (HS-L..) Airbus A330-941neo; c/n 1978; ex F-WWYG; due for Thai Lion Mentari Co. Ltd; leased from BOC Aviation; ntu; to PK-LER
- HS-LAQ Airbus A330-941neo; c/n 1984; ex F-WWCT, (PK-LEU); regd Sep21 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 21Sep21; operated a domestic passenger flight Don Mueang to Hat Yai return 16Oct21; ferried to Suvarnabhumi 18Oct21; began operating cargo only from Suvarnabhumi 18Oct21; operated last service 19Jun22; ferried to Batam 22Jun22; canx; to PK-LEU Jly22
- HS-LAR Airbus A330-941neo; c/n 1987; ex F-WWKV, (PK-LEV); regd Sep21 to Thai Lion Mentari Co. Ltd; dd to Don Mueang 01Oct21; ferried to Suvarnabhumi 28Oct21; began operating cargo only from Suvarnabhumi 28Oct21; operated last service 20Jun22; ferried to Batam 22Jun22; canx; to PK-LEV Jly22
- HS-LUY

 Boeing 737-8GP/W; c/n 38750; ex PK-LOM; dd to Don Mueang 17Feb22; regd Feb22 to Thai Lion Mentari Co. Ltd; entered service 22Feb22; current on 30Jan23 CAAT register; operated last service 13Jan23; ferried to Batam 14Jan23; ferried to Don Mueang 07Feb23; re-entered service 10Feb23
- HS-LVK Boeing 737-9GP(ER)/W; c/n 38299; ex PK-LPI; dd to Don Mueang 19Feb22; regd Feb22 to Thai Lion Mentari Co. Ltd; entered service 22Feb22; current on 30Jan23 CAAT register
- HS-LGI Boeing 737-8GP/W; c/n 37294; ex N1786B, PK-LJU; dd to Don Mueang (as PK-LJU) 25Mar22; regd Mar22 to Thai Lion Mentari Co. Ltd; entered service 06Apr22; current on 30Jan23 CAAT register
- HS-LUZ Boeing 737-8GP/W; c/n 38686; ex PK-LKR; dd to Don Mueang (as PK-LKR) 27Apr22; regd Apr22 to Thai Lion Mentari Co. Ltd; entered service 14May22; current on 30Jan23 CAAT register
- HS-LGL Boeing 737-8GP/W; c/n 43211; ex PK-LPU; dd to Don Mueang 01Apr23; regd Mar23 to Thai Lion Mentari Co. Ltd; entered service 06Apr23
- HS-LGM Boeing 737-8GP/W; c/n 43212; ex N1798B, N1786B, PK-LPV; dd to Don Mueang 01Apr23; regd Mar23 to Thai Lion Mentari Co. Ltd; entered service 05Apr23
- HS-LGK Boeing 737-8GP/W; c/n 43210; ex PK-LPT; dd to Don Mueang 27May23; regd May23 to Thai Lion Mentari Co. Ltd; entered service 02Jun23
- HS-LGJ Boeing 737-8GP/W; c/n 43209; ex PK-LPS; dd to Don Mueang 27Jun23; regd Jun23 to Thai Lion Mentari Co. Ltd; entered service 01Jly23
- HS-LVL Boeing 737-9GP(ER)/W; c/n 35728; ex N1786B, PK-LGK; dd to Don Mueang (as HS-LVL) 30Sep23; regd Sep23 to Thai Lion Mentari Co. Ltd; entered service 06Oct23
- Boeing 737-8GP/W; c/n 38740; ex PK-LKZ; dd to Don Mueang 16Nov23; regd Nov23 to Thai Lion Mentari Co. Ltd; entered service 24Nov23