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Aircraft Maintenance Records — N407DM

bell407 · serial DEMO-53001 · operating under Part 135 · inspection basis PART135_411a1

TIMES IN SERVICE

COUNTER	VALUE	AS OF	PROVENANCE
HOURS	3412.4	2026-08-28	actual_since_new
LANDINGS	8120	2026-08-28	actual_since_new

Times are derived from counter readings and accrued from flight logs by the server; provenance travels with every value, and a flight can never establish a baseline.

MAINTENANCE RECORD ENTRIES — § 91.417(A)(2)

COMPLIED	ITEM / TASK	AT COUNTERS	SIGNED
2026-08-05	demo-100hr-407	HOURS 3320	DEMO IA IA DEMO-CERT-9
2025-07-26	demo-ovh-407	HOURS 2100	DEMO IA IA DEMO-CERT-9

WORK ORDERS AND SIGN-OFFS

DEMO 100-hour package — CLOSED · HUNDRED_HOUR · run-up recorded

TASK	PERFORMED	INDEPENDENT INSPECTION	337 / LABOR
DEMO: main rotor hub retention torque check RII	✓ DEMO Mech 1 (DEMO-CERT-1)	✓ DEMO IA (DEMO-CERT-9)	3.5h
DEMO: engine oil and filter change	✓ DEMO Mech 2 (DEMO-CERT-2)	n/a	1h
DEMO: comm antenna doubler — major alteration MAJOR	✓ DEMO Mech 1 (DEMO-CERT-1)	n/a	337 ✓ 2.5h

AIRWORTHINESS DIRECTIVES

REFERENCE	TITLE	STATUS	DETERMINED
No directives recorded against this tail.			

OPEN DISCREPANCIES AND DEFERRALS

ITEM	STATE	CONTROL
No open discrepancies or deferrals.		

INSTALLED CONFIGURATION AND COMPONENT TREE

STC / KIND	TITLE	WEIGHT & BALANCE
DEMO-SR9001	DEMO cargo hook installation	41.2 lb @ 131.5 in RFM_SUPPLEMENT, DEMO RFMS-14 rev B § 6
DEMO-SR9002	DEMO wire strike protection — weight not yet entered (shows UNKNOWN, not zero)	WEIGHT UNKNOWN not zero — no consumer may sum around this row
COMPONENT		DESCRIPTION
DEMO-250-C47B s/n DEMO-E-1121		DEMO engine
DEMO-FCU-9 s/n DEMO-F-77		DEMO fuel control unit

These records are append-only and hash-chained per tenant. The same records export in a form that a standalone verifier recomputes from nothing but the file and sha256 — see the accompanying `demo-records-export.json` and `verify-export.mjs`. The platform never says “airworthy”: under § 91.7(b) that determination belongs to the pilot in command.

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