Custom Aviation Services LLC

Engine LOG ROTAX 912ULS Serial # 6777626

Date:4/23/2026 **Total Time:** 1342.3 hours

Description of Work Performed:

This engine was removed from aircraft to facilitate installation of a new engine. Prior to removal, the engine experienced a loss of coolant and subsequent overheating. No propeller strike or other external damage was reported or observed.

Engine was completely disassembled by South MS Light Aircraft, a ROTAX-authorized overhaul center. Crankcase was split and the crankshaft and bearings were inspected to verify condition following the overheating event. No damage was found; components were in excellent condition. Crankcase was reassembled using new seals.

Crankshaft total time exceeds 1000 hours; therefore, in accordance with **ROTAX SB-912-064 (Inspection of Crankshaft)**, no further action was required.

Gearbox was disassembled, cleaned, and inspected in accordance with the **ROTAX 1000-hour inspection**. Gearbox was shimmed to meet ROTAX specifications and reassembled.

Engine was reassembled using serviceable cylinders, pistons, and piston pins with **85.2 hours total time** removed from an engine upgraded to a big-bore kit. Serviceable, reconditioned cylinder head assemblies were installed. All rubber components were replaced, thereby complying with the **ROTAX 5-year rubber replacement requirement**.

Only the work described above was performed. No other portion of the aircraft or engine system was inspected or evaluated. Returned to service.

Wayne D. Lohmeyer, A&P 2124714 IA Certified ROTAX iRMT – Heavy Maintenance