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Mr. Alan K. Adamson [aadamson@highrf.com]

Re.: Lycoming TNIO-360-EXP Engine, (angle valve)

SUMMARY OF PARTS AND SERVICE FOR STAGE III OVERHAUL

A Stage III engine overhaul brings critical dimensions and clearances to closer than factory tolerances. All lower end assembly parts are weighed and match balanced, and crankshaft balance is measured on a computerized digital balancing system. The cylinder head ports are match balanced for air flow on a flow bench. A computer generated high performance camshaft profile will top off the list of performance options. These and other "prioritized" operations exclusive to the Stage III overhaul, produces a powerplant that provides maximum performance, reliability, smoother operation, and often improved fuel burn.

Stage III engine overhaul includes the following; Crankcase: lapped and aligned bored, visual inspection for dimensional and structural integrity and NDT tested. The crankshaft: Magnafluxed, measured for size, reground and heat tested if necessary. Rod and main bearings replaced. Four Lycoming cylinder assemblies installed. New 9:1 forged pistons with ceramic coatings. All stress fasteners replaced. Connecting rods rebushed and checked for straightness. Camshaft and lifters are replaced with new. All necessary ferrous and non-ferrous parts are NDT tested. Rocker arms are rebushed and ratioed. All aluminum parts are coated with gold irodite and engine is painted in 3 part Epoxy in choice of color. All fasteners are cad plated gold and valve covers, push tubes and intake tubes chrome plated. Accessories included are; Dual Lightspeed Plasma III CDI electronic ignition kit with plugs & wires (new), B&C high torque starter (new), B&C alternator (new), FM-200A fuel servo (new), fuel flow divider (new), 4 fuel nozzles (new), 1 turbo charger (new), 1 turbo wastegate (new), complete headers and exhaust system with ceramic coating (new). Engine functionally tested and tuned for 3.5 hrs, then preserved and crated for shipment. Delivery time 14 weeks.

TNIO 360	\$ 42,560.00	Stage III Engine, Outright	(New Cylinders)
TNIO 360	\$ 45,810.00	Stage III Engine, Outright	(New Cylinders & InterCooled)
TNIO 360	\$ 38,660.00	Stage III Engine, Outright	(Overhauled Cylinders)
TNIO 360	\$ 41,910.00	Stage III Engine, Outright	(Overhauled Cylinders & InterCooled)

This engine will develop 220hp @2,700 RPM.
A 50% deposit to begin, balance due upon completion
Please discount 2% for Cash Transactions.

Approved by _____ Date _____

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