

Mast Motorsports – Dyno Report 10/06/2022

Factory Mast Product Line

As Cast Medium 4.070 Bore As Cast Port

Performance Test on Stock GM L76 - 6.0 Liter LS  
Engine



MAST TECHNOLOGIES GROUP

POWERING ENGINEERING & TECHNICAL PRODUCTS FOR INDUSTRY

## Test Parameters

Brand New Stock GM L76 Engine with less than 5 hrs run time

Test #1 OE Shortblock, Head, Cam Base Line Test

Test #2 OE Shortblock, Head, Mast Motorsports Cam Change

Test #3 OE Shortblock, Factory Mast Medium Bore, As Cast LS3, Mast Motorsports Frank's Franks Redhot Cam

## Camshaft Specs

PN: VS-LSX-100254

Cam Nickname: Franks Redhot

Intake Lobe Duration @ 0.050: 222

Exhaust Lobe Duration @ 0.050: 234

Intake Valve Lift w/ 1.7 rocker: 0.604"

Exhaust Valve Lift w/ 1.7 rocker: 0.604"

Lobe Separation: 112+2

	Test Detail	Peak HP	Peak Torque	HP Gain over Baseline	Torque Gain over Baseline
Test #1	Baseline Stock	435	444	NA	NA
Test #2	Cam Swap	505	464	70	20
Test #3	Cam & Head Swap	535	486	100	42

## AS Cast Cylinder Head Specs

Intake Port Volume: 255cc

Chamber Size: 70cc

Exhaust Port Volume: 106cc

Exhaust Port Volume: 106cc

Intake Valve Size: 2.165"

Exhaust Valve Size: 1.600"

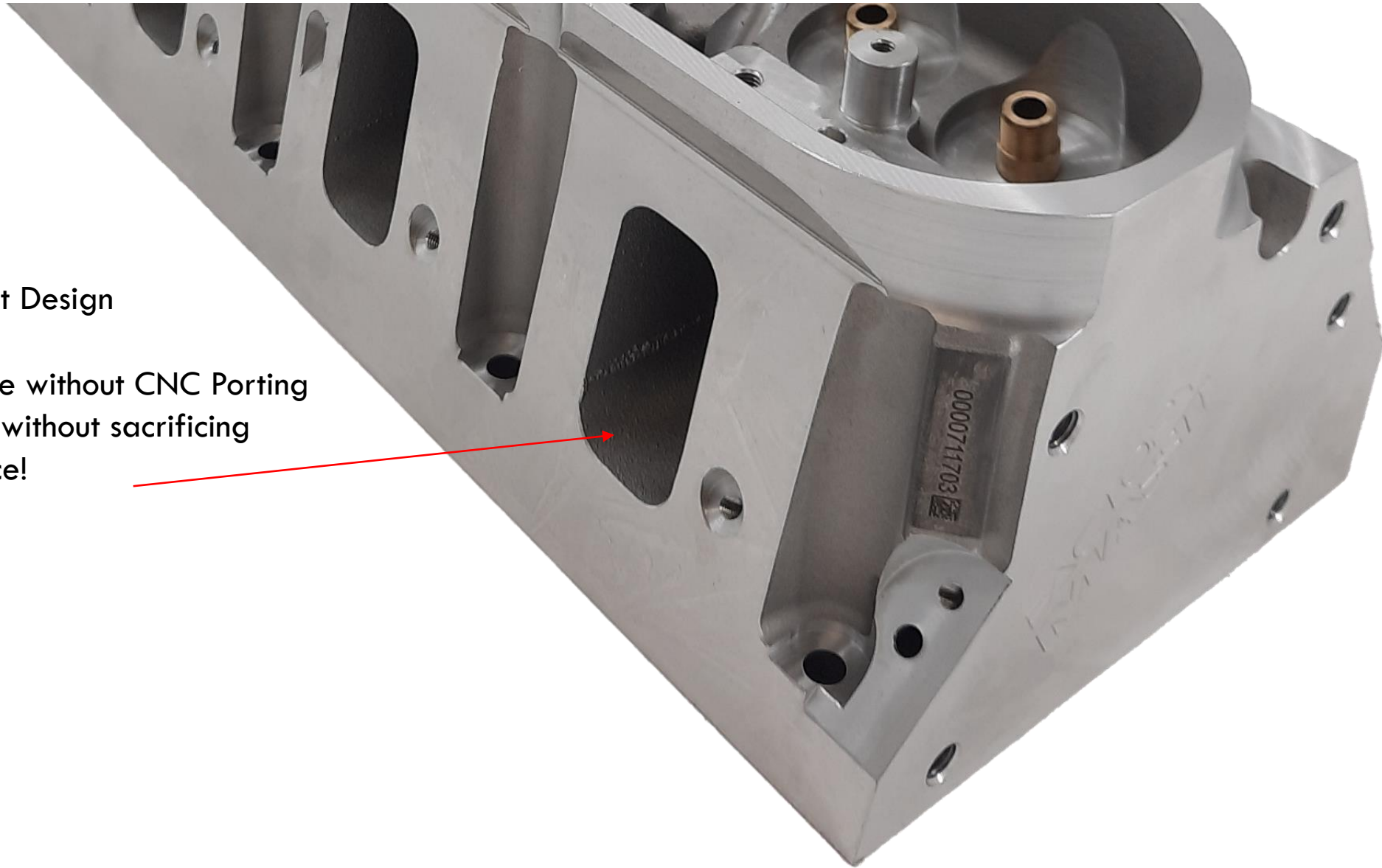
Valve Stem dia. : 5/16"

Valve Length: 5.450"

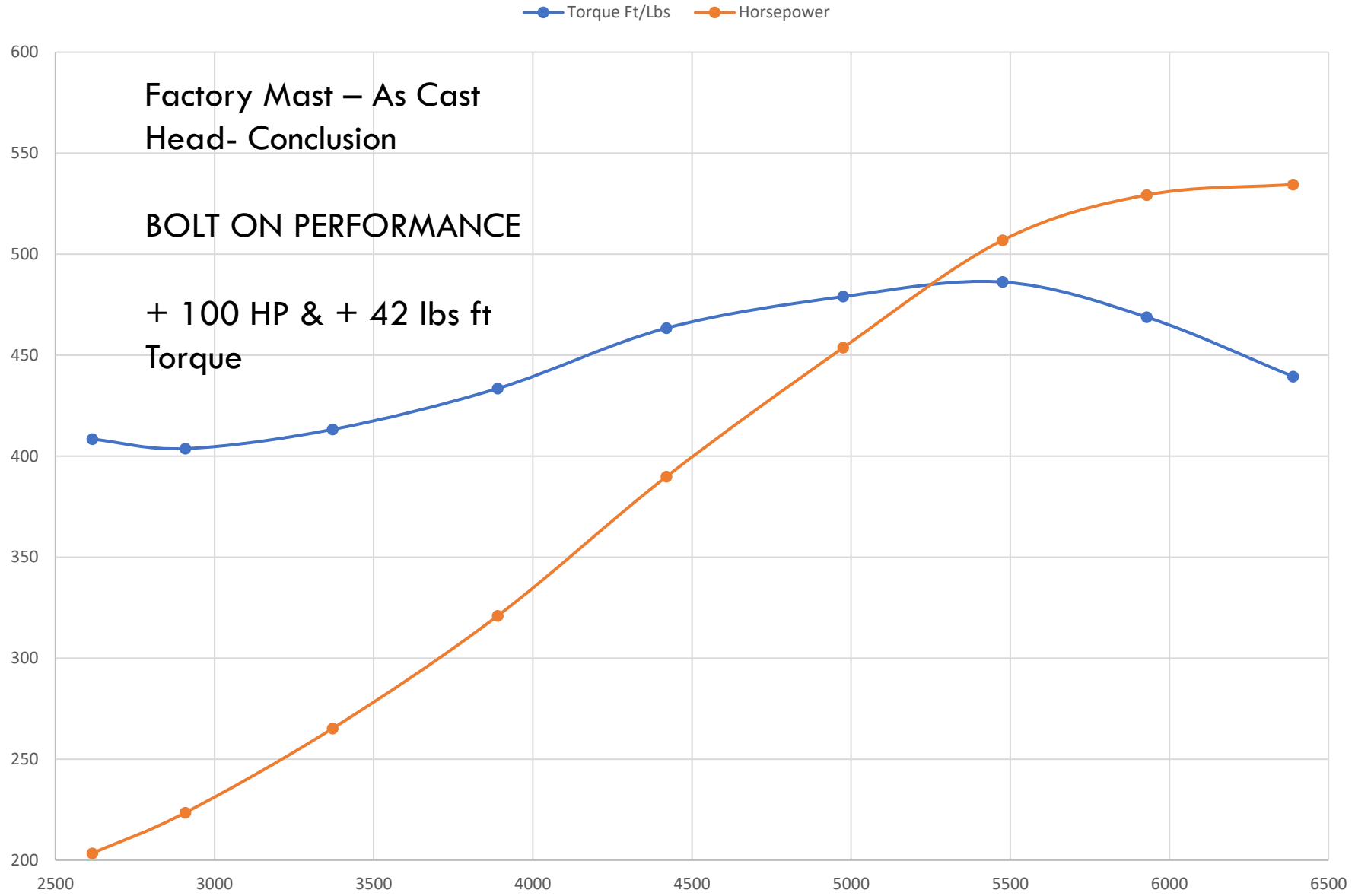
Valve Angle: 11°

As Cast Port Design

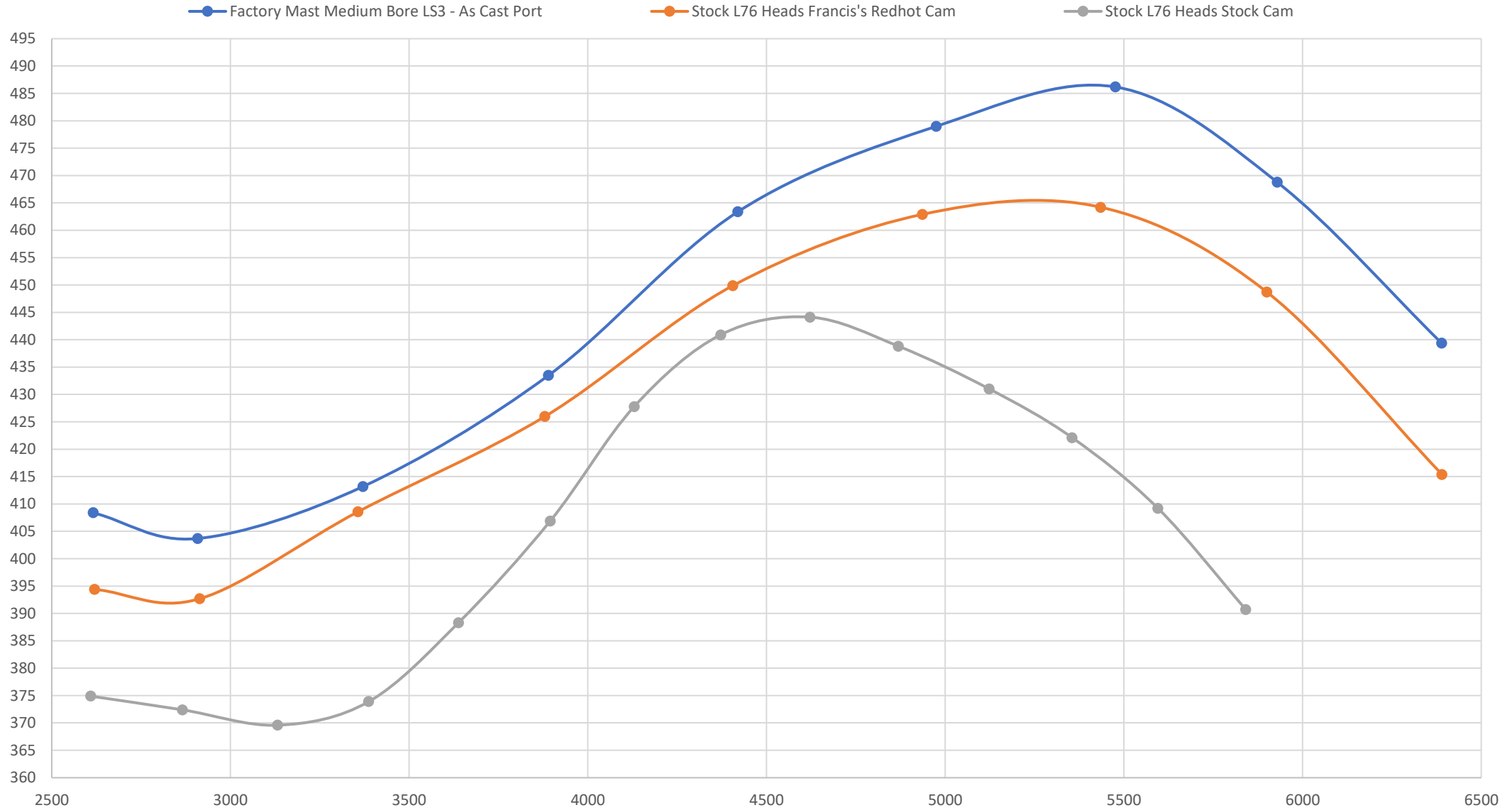
Performance without CNC Porting  
Saves Cost without sacrificing  
performance!



# Medium Bore Cylinder Head Test - Stock L76 Engine Cam & Head Swap Test



# Medium Bore Cylinder Head Test - Stock L76 Engine Cam & Head Test - Torque Ft/Lbs Comparison



# Medium Bore Cylinder Head Test - Stock L76 Engine Cam & Head Test - Horse Power Comparison

