

Wintering Hills 06-17 COMPRESSOR UNIT

Cate G3512LE/Frick TDSH355L AT 110 PSI

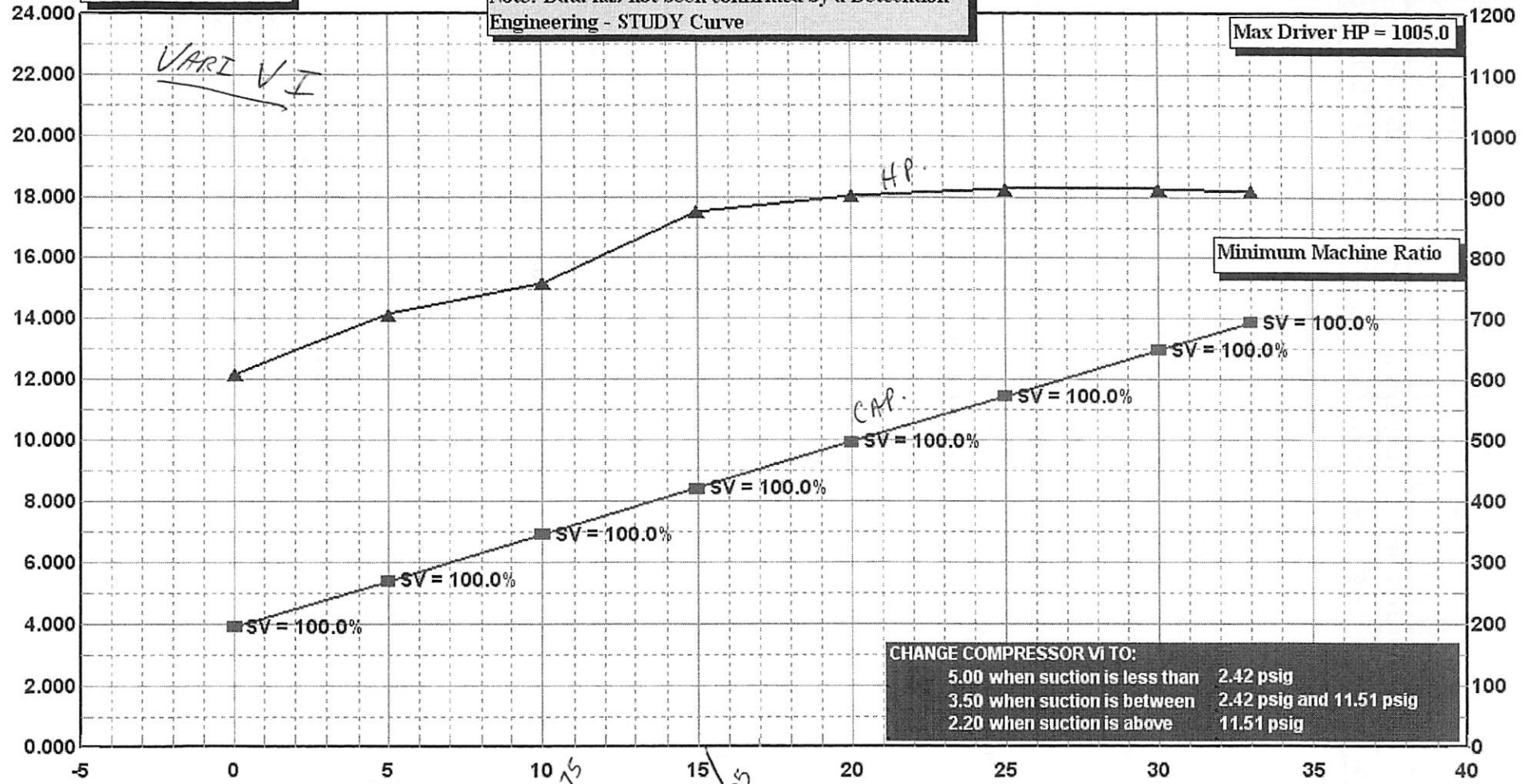
Elevation = 2751.0 feet

06-17-25-20-W4M

Note: Data has not been confirmed by a Detection Engineering - STUDY Curve

CAPACITY - MMSCFD @ 14.696psia & 60oF

HORSEPOWER AT 1400 RPM



Max Driver HP = 1005.0

Minimum Machine Ratio

CHANGE COMPRESSOR VI TO:
 5.00 when suction is less than 2.42 psig
 3.50 when suction is between 2.42 psig and 11.51 psig
 2.20 when suction is above 11.51 psig

Engine and Compressor Information:
 Engine Make = Caterpillar
 Engine Model = G3512LE
 Gear Ratio = 2.19
 Compressor Make = Frick
 Compressor Model = TDSH355L
 Compressor L/D Ratio = 1.45
 Compressor RPM = 3065
 Max Discharge Pressure = 350 psig

SUCTION PRESSURE at 60oF (PSIG)

■ CAPACITY ▲ HORSEPOWER

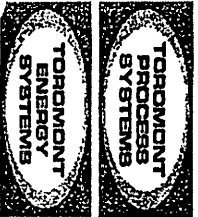
Cooler Information:
 Cooler Make = Unknown
 Cooler Model = Unknown
 Cooler HP = 40.0 at max RPM

Oil Information:
 Oil Pump = NO
 Oil Density = 52.00
 Oil Specific Heat = 0.48

Gas Information:
 Gas k-Value = 1.280
 Gas Specific Gravity = 0.642

Project Number





TPS800 Encana CBM Unit

U-14

PC 103

DRIVER:	Caterpillar 3512LE
DRIVER SPEED:	1200 RPM
COMPRESSOR:	Frick TDSH 356L (V fixed at 3.5)
SPEED INCREASER:	1:2.2
COMPRESSOR SPEED:	2640 RPM
PACKAGE RATED PRESSURE:	350psig @ 250F

PROCESS DESIGN	
Suct Temperature:	50 °F
Amb. Temperature:	90 °F
Altitude:	2500 feet
Gas Sp. Gr.:	0.57
Gas K Value:	1.3
Discharge pressure:	see graph
Engine auxiliary power:	65

Please consult Toromont for any special ratings outside these ranges.
All pressures shown are at skid edge, ---- INDICATES BACKPRESSURE CONTROL REQUIRED

