

CASE STUDY

BIO DIESEL BLENDING MEASUREMENT



APPLICATION:

Bio Diesel Blending

VOLUME:

120 GPM to 30 GPM

PRESSURE:

20 PSI

MEDIA:

B2, B5, B20 - Bio Diesel
2% to 20%



METER DATA:

Macnaught 2" and 1.5" NPT Aluminum Body/PPS Rotors/Viton O Rings w Reed Hall Output 2" OAL = 5.5" 1.5" OAL = 4.7"

SUMMARY OF APPLICATION:

A Bio Blend OEM has incorporated Macnaught MX 2" and 1.5" Oval Gear units into their standard system offerings. Using PLC logic this integrator requires accurate, robust and compact measurement of Bio Diesel for large volumes of blended Diesel product.

Macnaught was selected as the primary meter solution due to:

- High accuracy specifications (.5%)
- Durability needs - frequent valve cycling required high precision solid billet construction for enhanced body integrity
- Challenging lay length requirements

Since 2014 the customer has installed 250+ units and has reported no meter related maintenance or downtime issues.

The bio diesel blend market continues to grow at a rapid pace – the Macnaught Oval Gear Flowmeter is the perfect choice for this application!