

cleaner air for everyone

Green Diesel Corp

Cleaner Air For Everyone

Developments leading to lighter & smaller engine footprints

www.greendieselcorp.com



cleaner air for everyone

THE PROBLEM

- Uncontrolled combustion leading to diesel knock
- Exhaust products from diesel engines pollute the atmosphere by emitting black soot and NOx
- Conclusion of 40 global medical studies:
 - 800,000 people die annually
 - 20 times as many have respiratory problems!



www.greendieselcorp.com



cleaner air for everyone

THE TECHNOLOGY DIFFERENCES

- Global manufacturers are introducing expensive filter and urea injection (SCR) or exhaust gas recirculation systems to eliminate pollution
- Green Diesel technology cleans pollution within the cylinder and thus eliminates the above expensive technology



www.greendieselcorp.com



cleaner air for everyone

SOLVING THE PROBLEM & COMPETITIVE ADVANTAGES

- Injecting at 160,000 PSI creates very small fuel droplets which mix better with air resulting in less fuel usage
- More complete combustion reduces particulates
- Cool combustion technology reduces NOx
- We eliminate the expensive high pressure pump
- Eliminates diesel knock
- Comprehensive rate shaping



www.greendieselcorp.com



cleaner air for everyone

COMMERCIALISATION

- OEM – We have direct contact with GMH chairman and senior people at Ford Motor Company
- Direct – US Armed Forces (Pentagon) have requested we convert a Hummer motor to our system
- Franchise – We will train and appoint franchisees in after market conversions which is estimated to be 20 times larger than the diesel market and extremely profitable
- License Agreements – Global or local agreements, engineered to suit each individual situation

Green Diesel Manufacturing



www.greendieselcorp.com



cleaner air for everyone

RESEARCH LAB utilises:

- ✓ Dilution Tunnel
- ✓ Laser particulate counter
- ✓ Transducers & amplifiers by Kistler
- ✓ 5 gas flue analyser
- ✓ 3 Dynos from 15 hp to 900 hp
- ✓ Thermodynamic combustion programme by Melbourne University and Ptrans from USA

Dilution Tunnel



cleaner air for everyone

PROVISO CONDITIONS

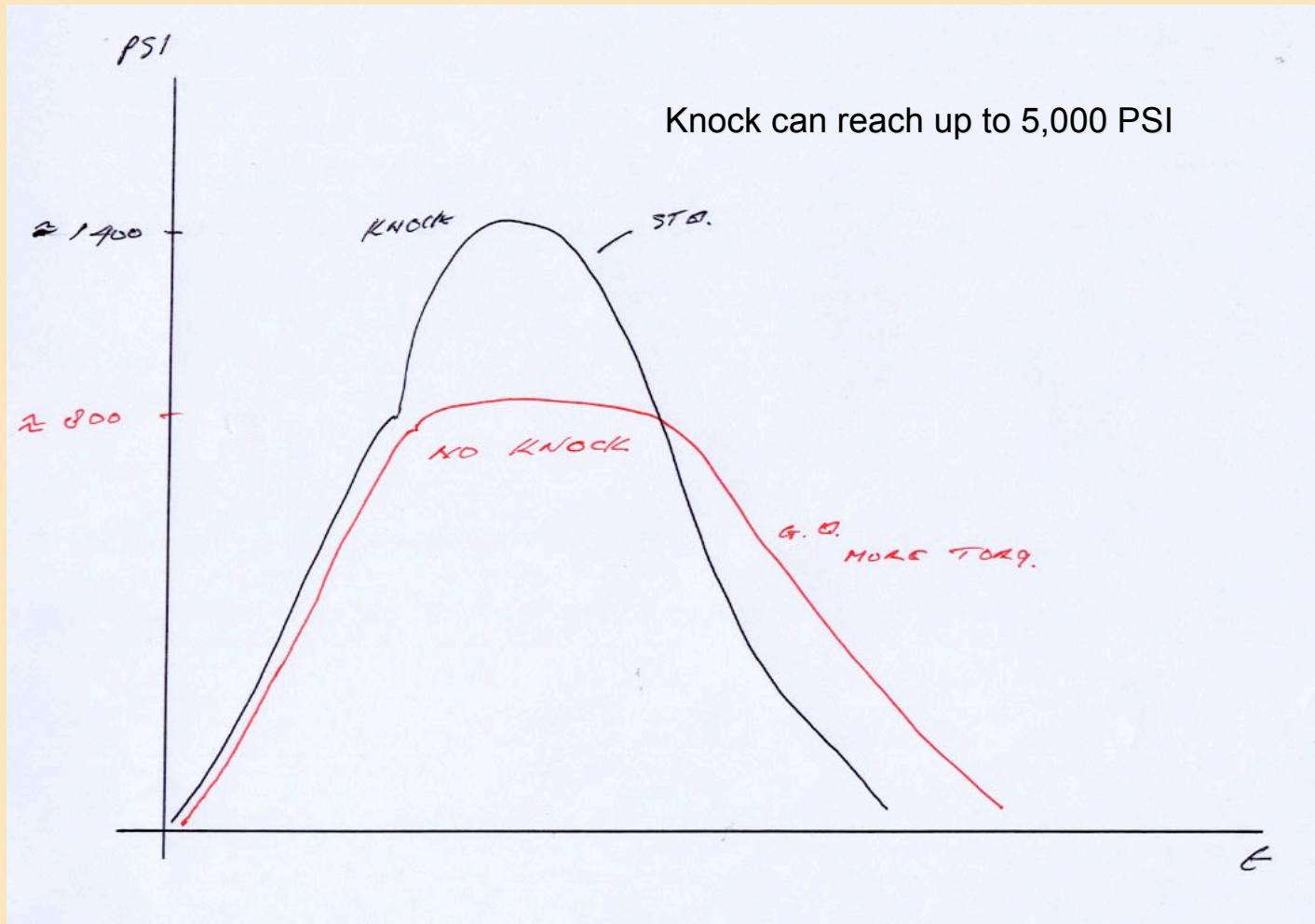
- 1 - Units in Imperial System of Measurement
- 2 - This is **Disruptive** Technology
- 3 - Because not all Intellectual Property is secure, full details will not be disclosed
- 4 - Not all questions will be fully answered for above I.P. considerations
- 5 - All sketches are simplified

www.greendieselcorp.com



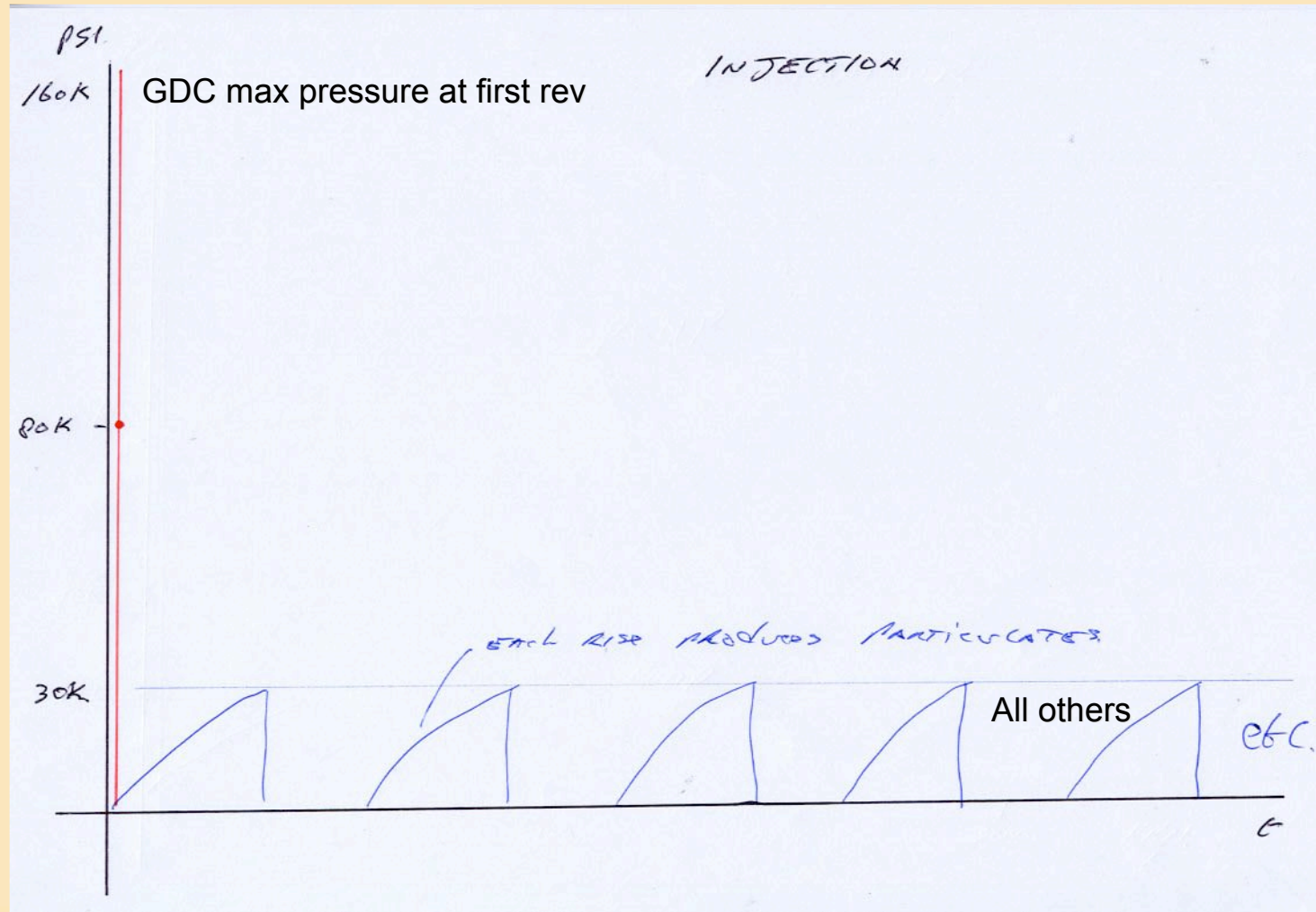
cleaner air for everyone

Diagram 1



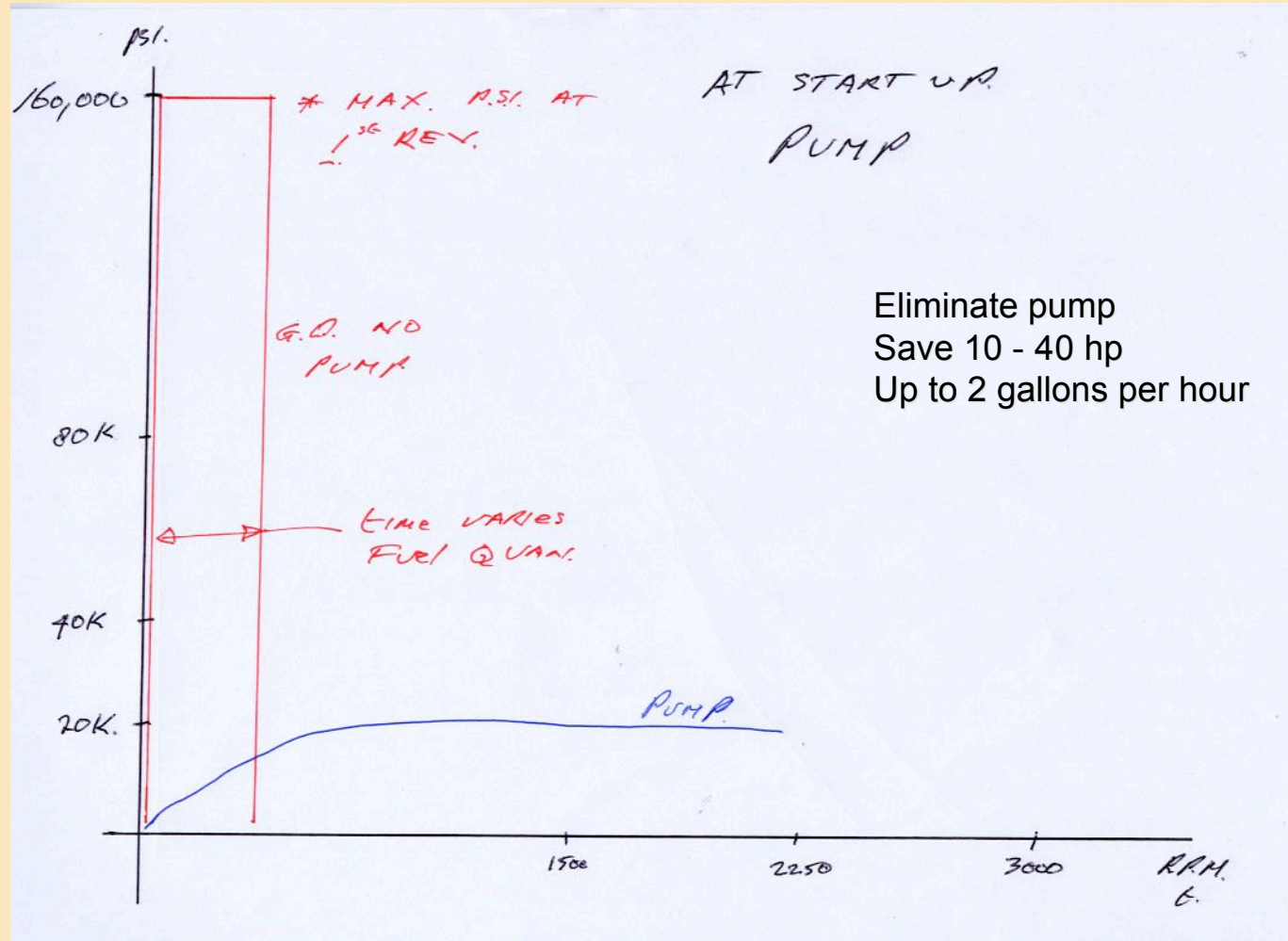
cleaner air for everyone

Diagram 2



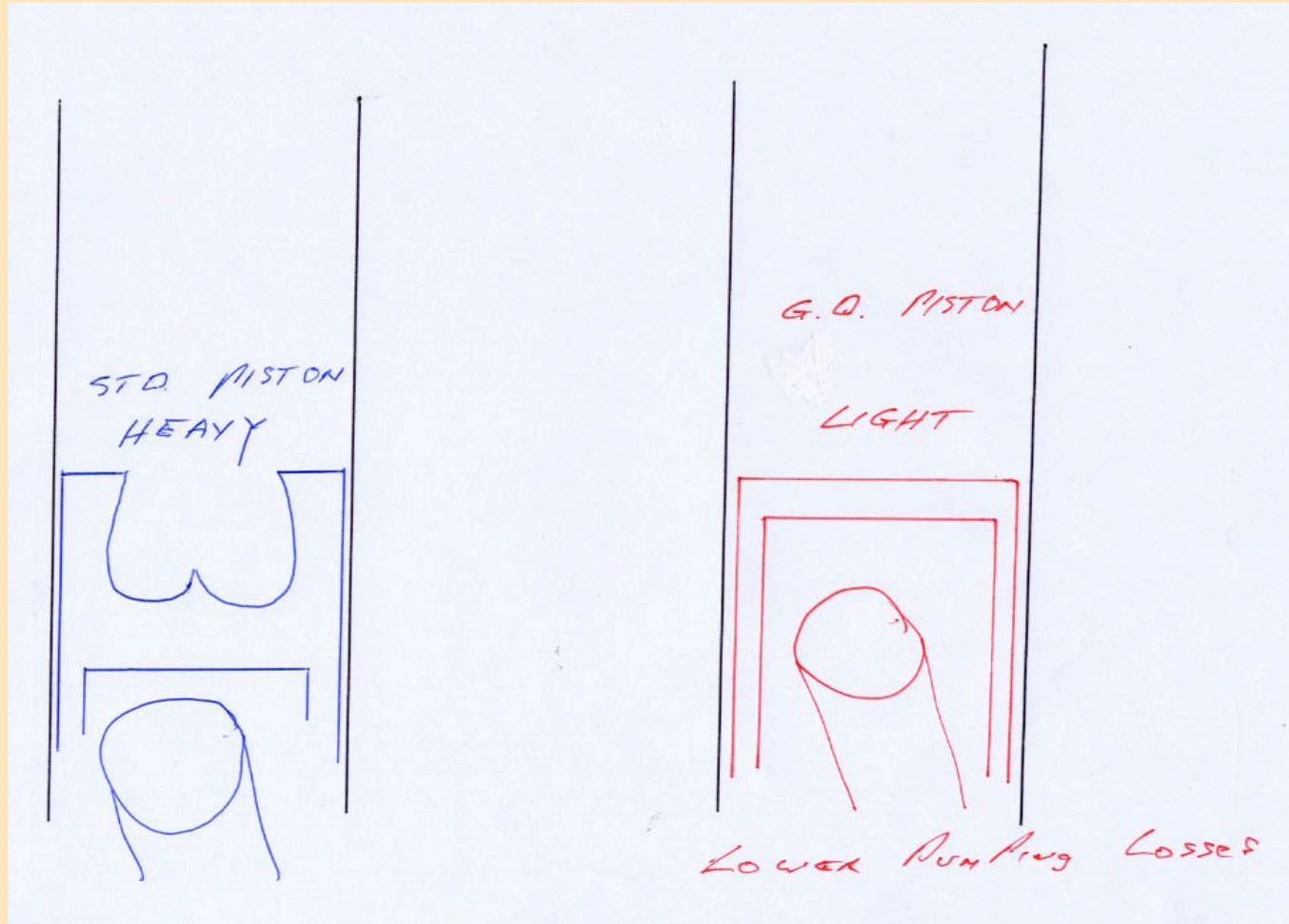
cleaner air for everyone

Diagram 3



cleaner air for everyone

Diagram 4

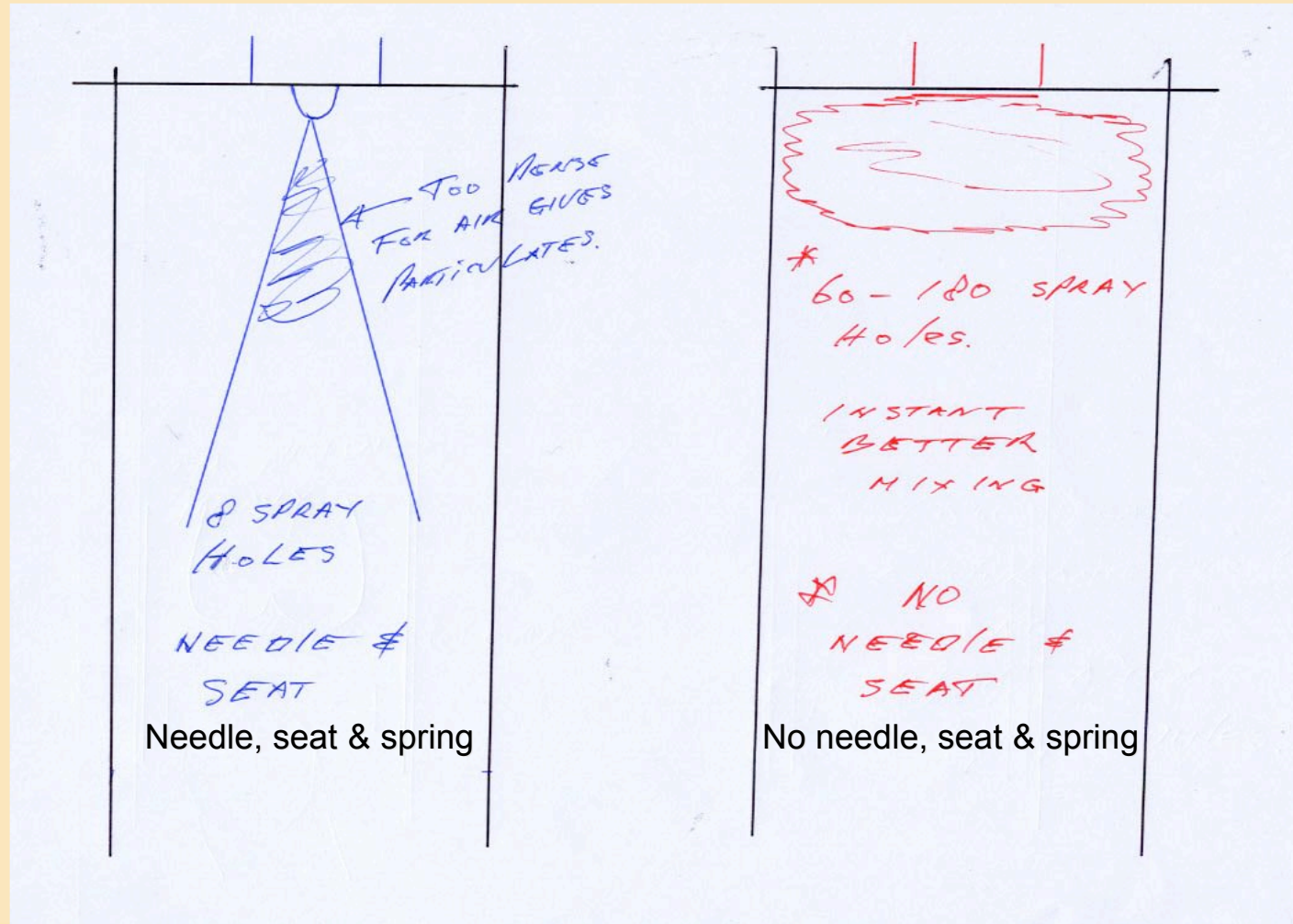


www.greendieselcorp.com



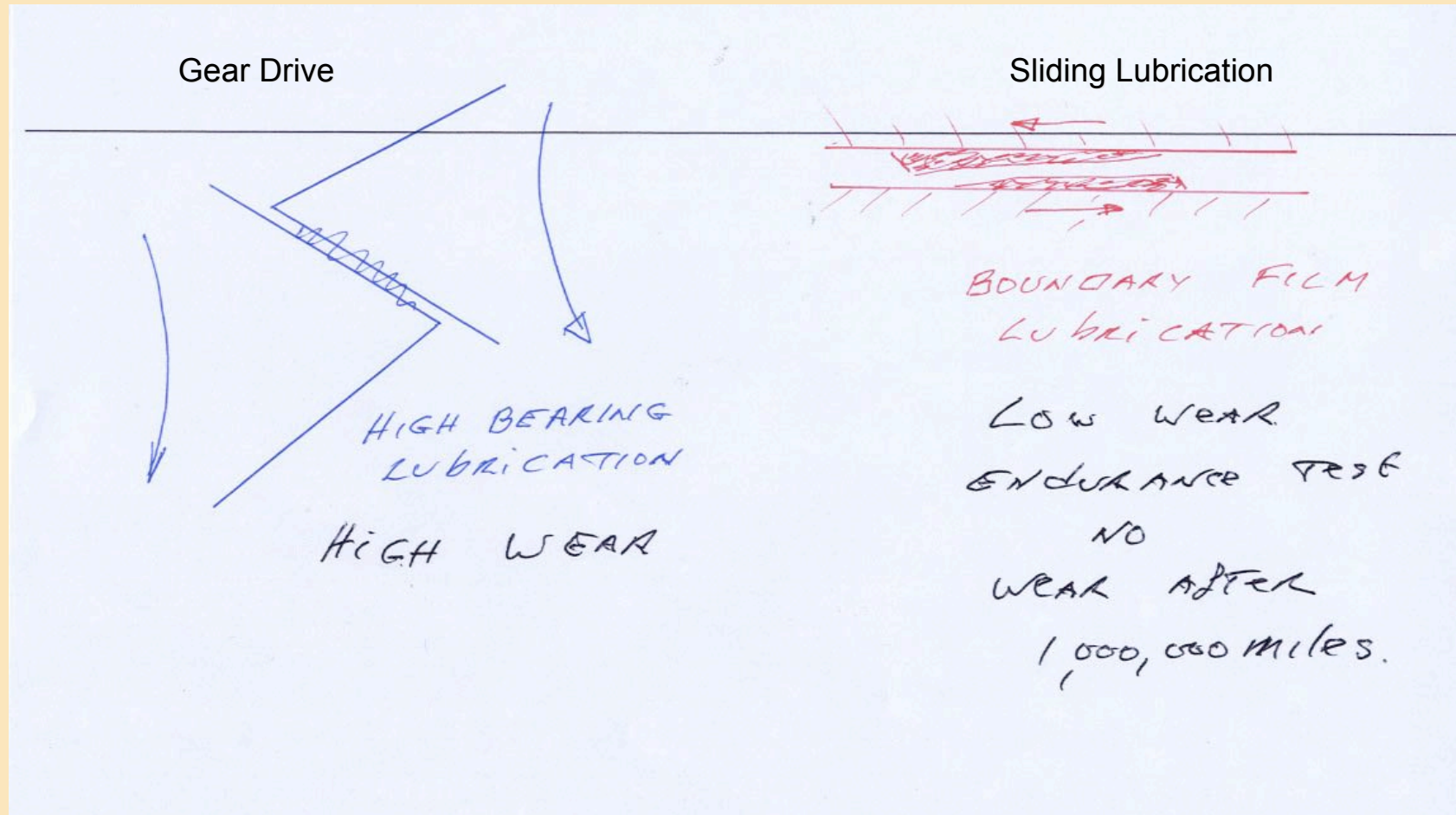
cleaner air for everyone

Diagram 5



cleaner air for everyone

Diagram 6

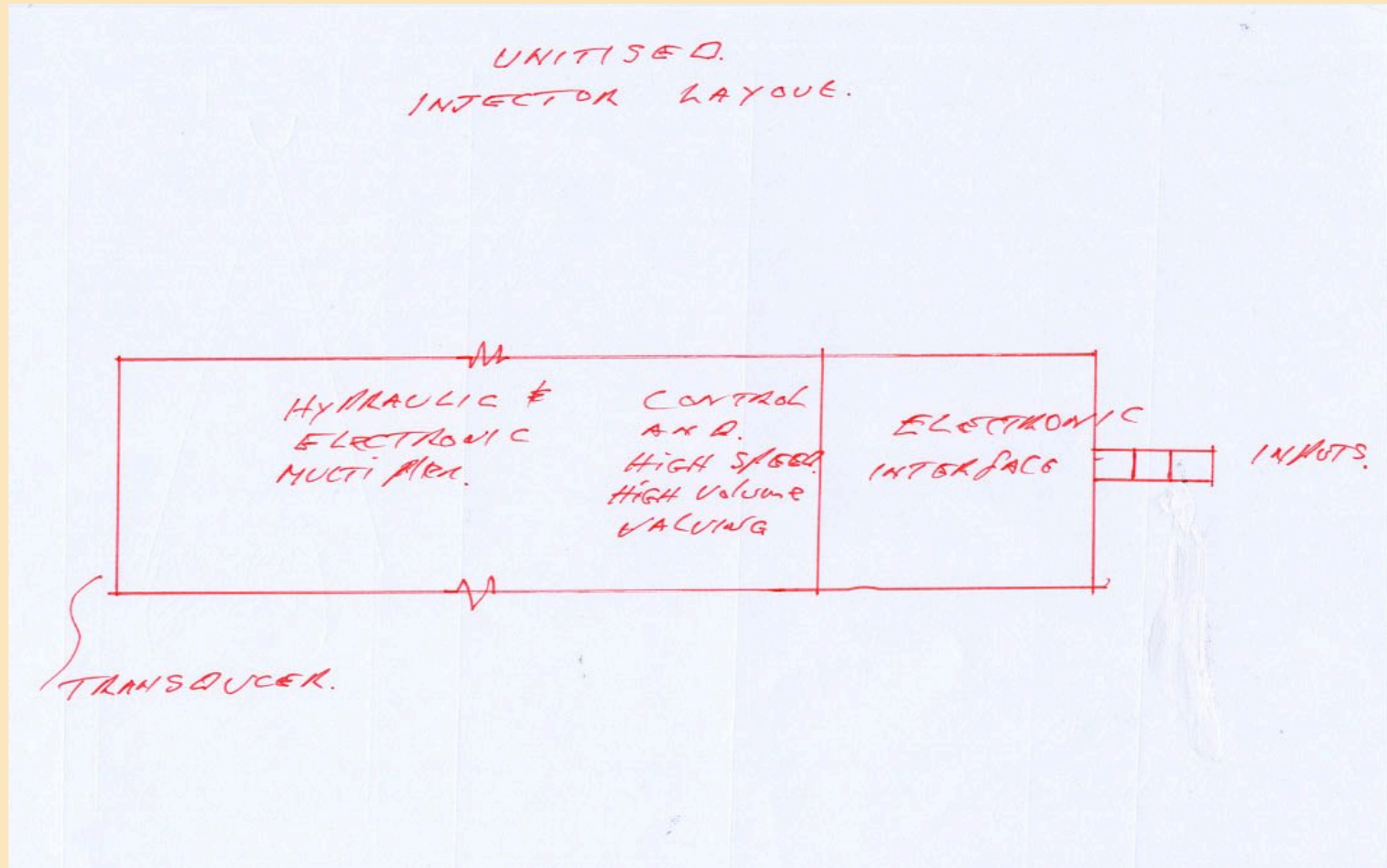


www.greendieselcorp.com



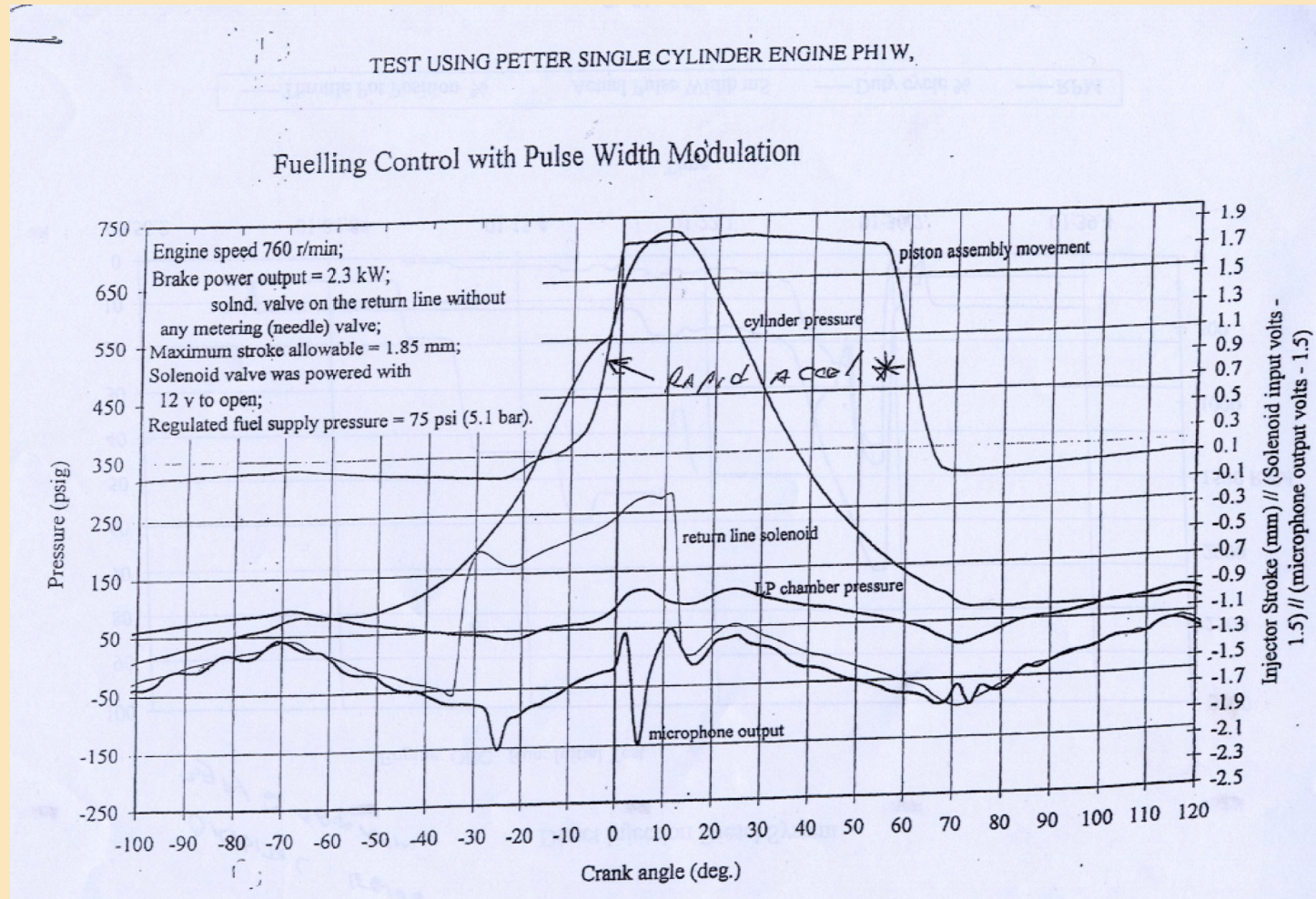
cleaner air for everyone

Diagram 7



cleaner air for everyone

GRAPH 1



www.greendieselcorp.com



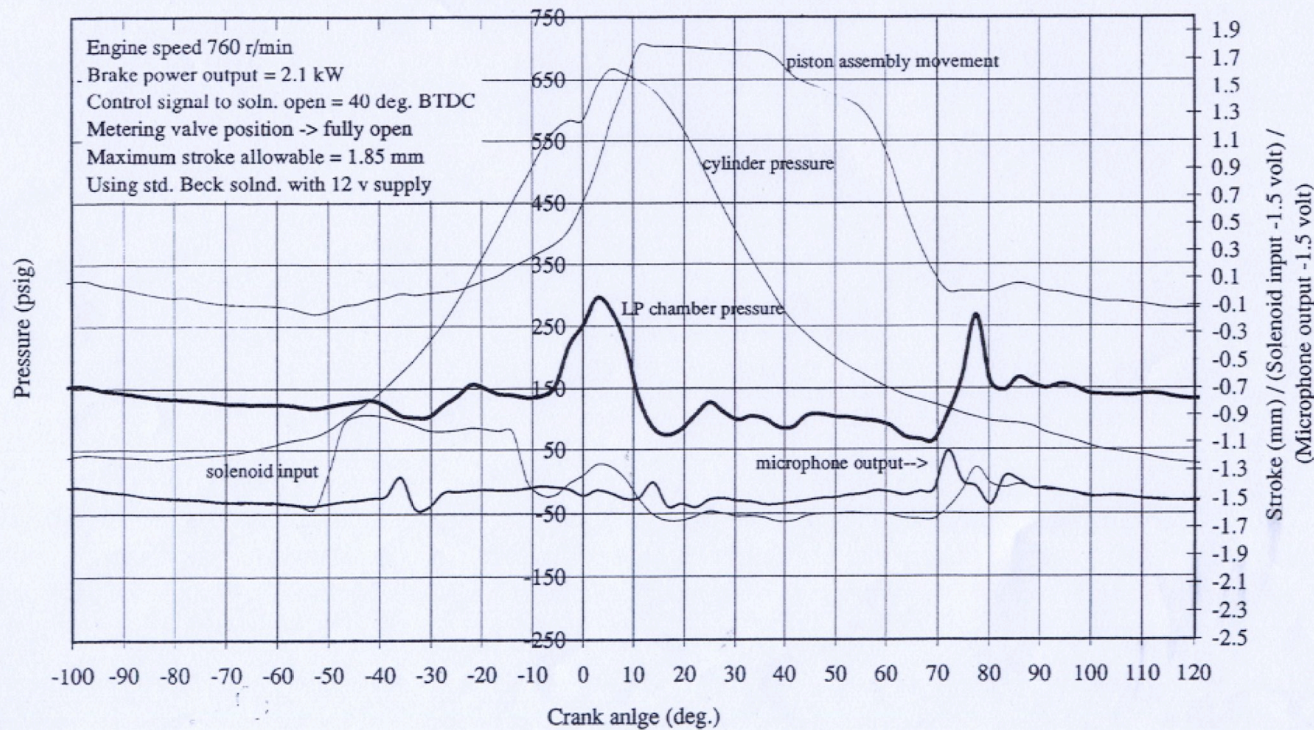
cleaner air for everyone

GRAPH 2

TEST USING PETER SINGLE CYLINDER ENGINE PH1W, NO. 54674

SAMPLE early

Piston Assembly Movement with Wolff Sensor

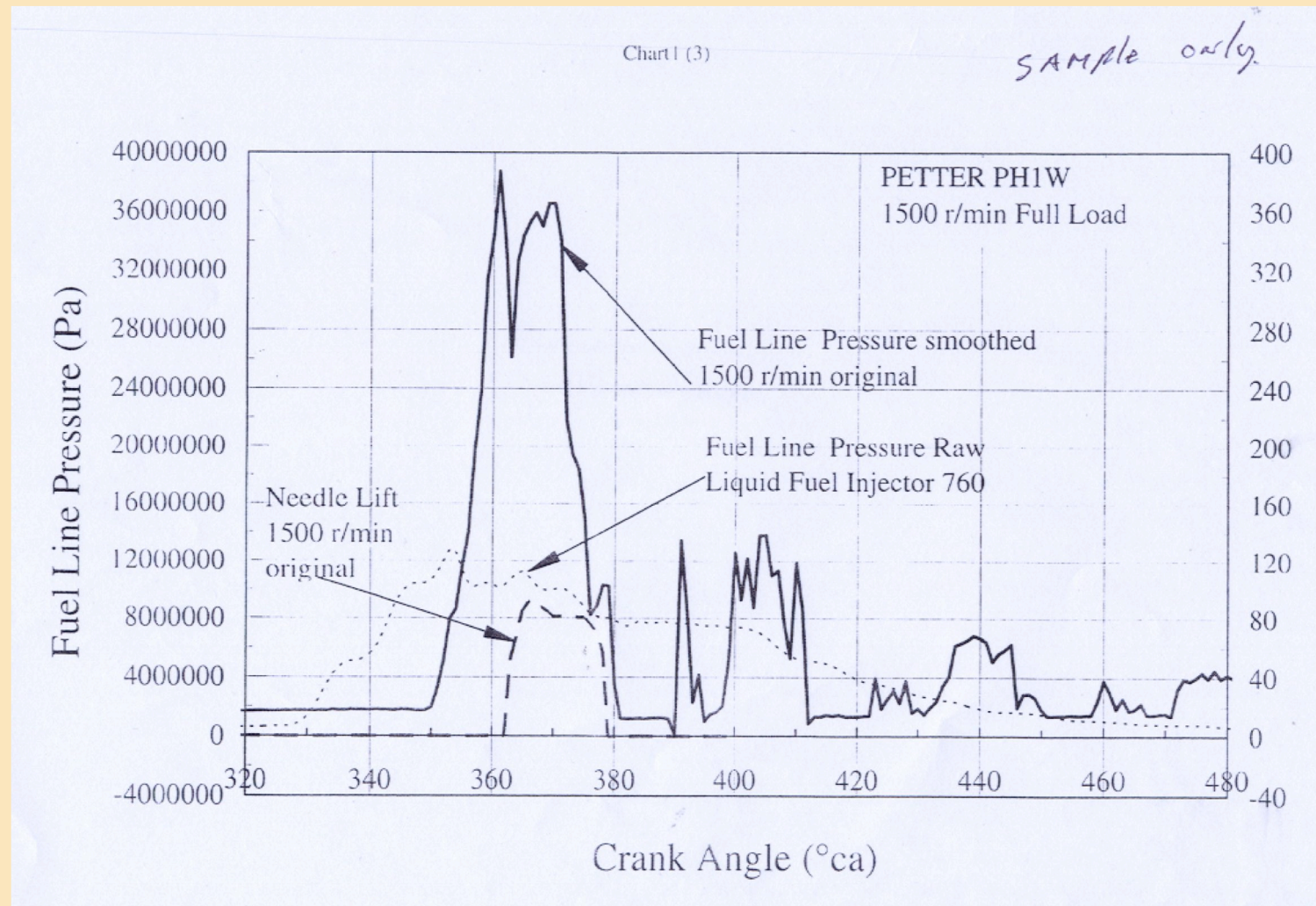


www.greendieselcorp.com



cleaner air for everyone

GRAPH 3

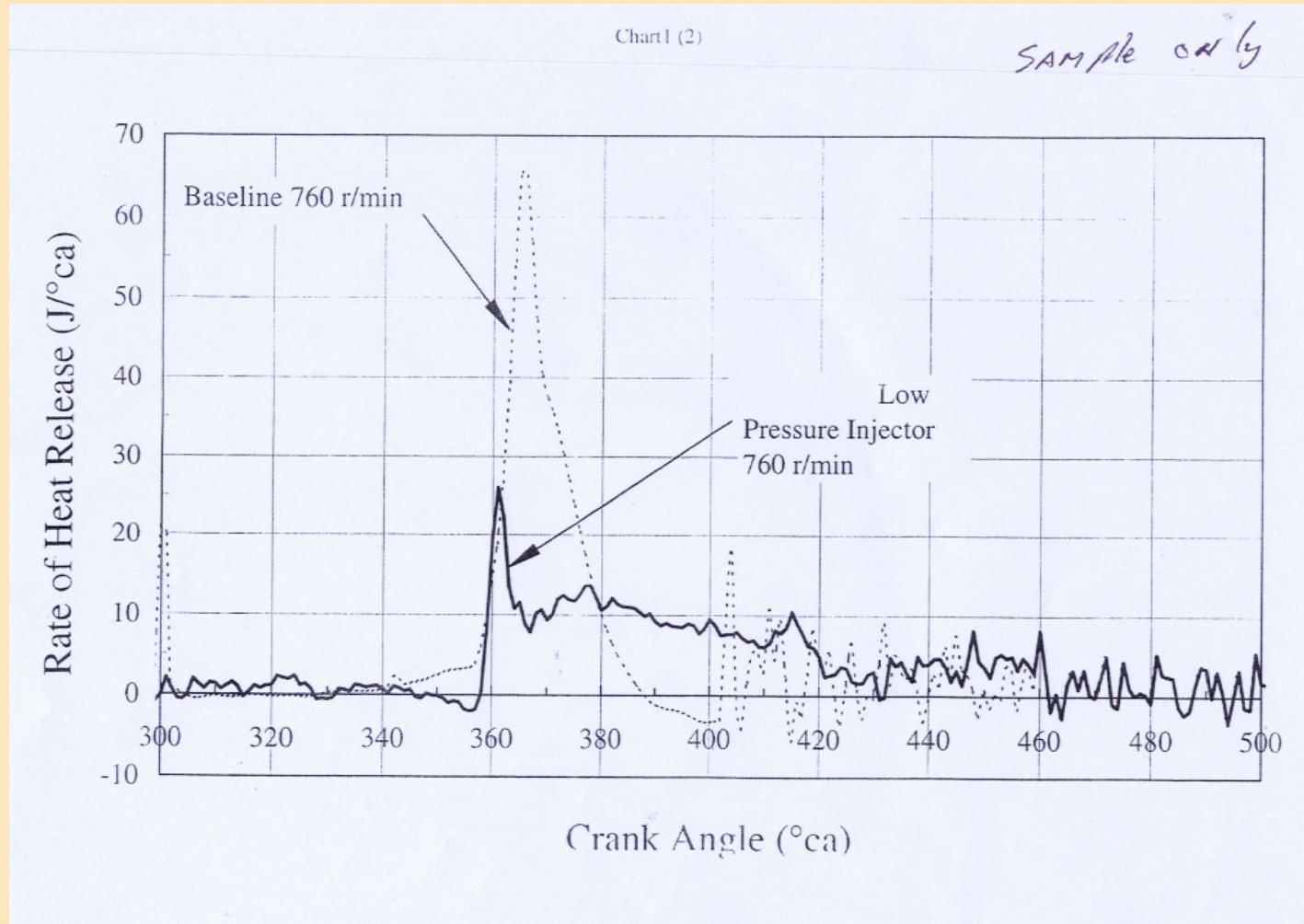


www.greendieselcorp.com



cleaner air for everyone

GRAPH 4



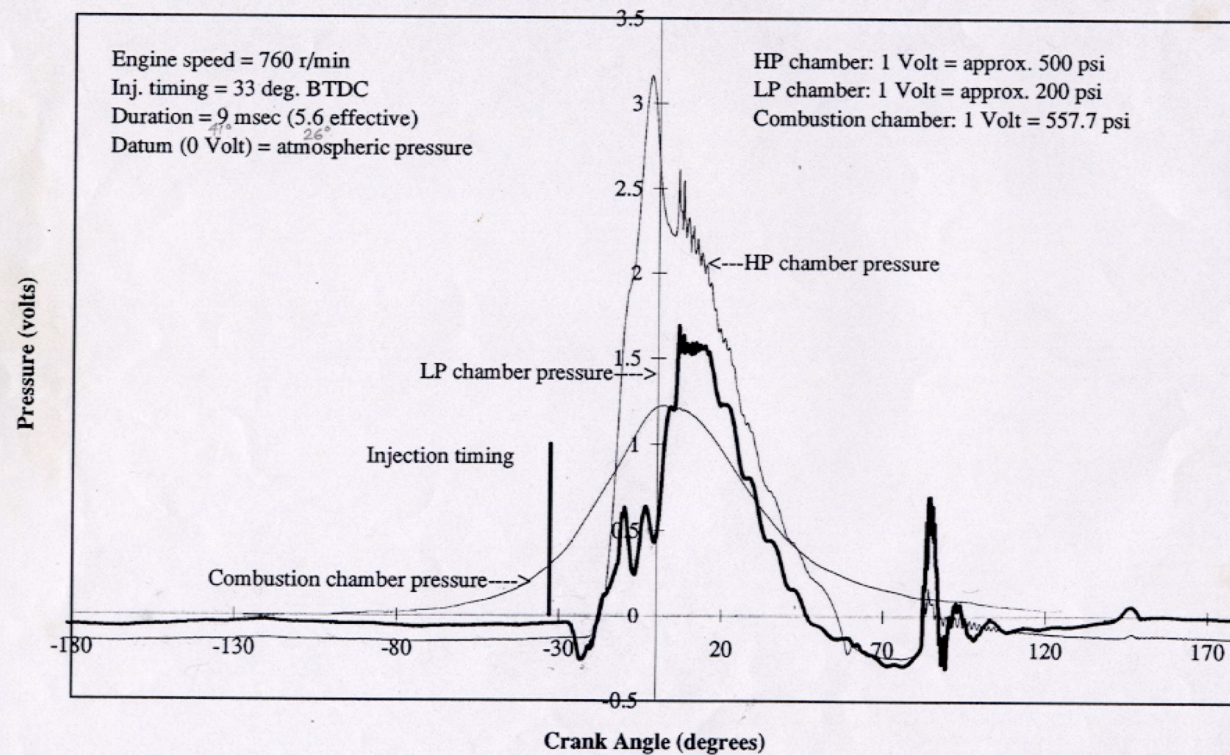
www.greendieselcorp.com



cleaner air for everyone

GRAPH 5

Variation of the HP/LP/Combustion Chamber Pressure with Crank Angle



1 msec (@760 r/min) = 4.56 °.a.

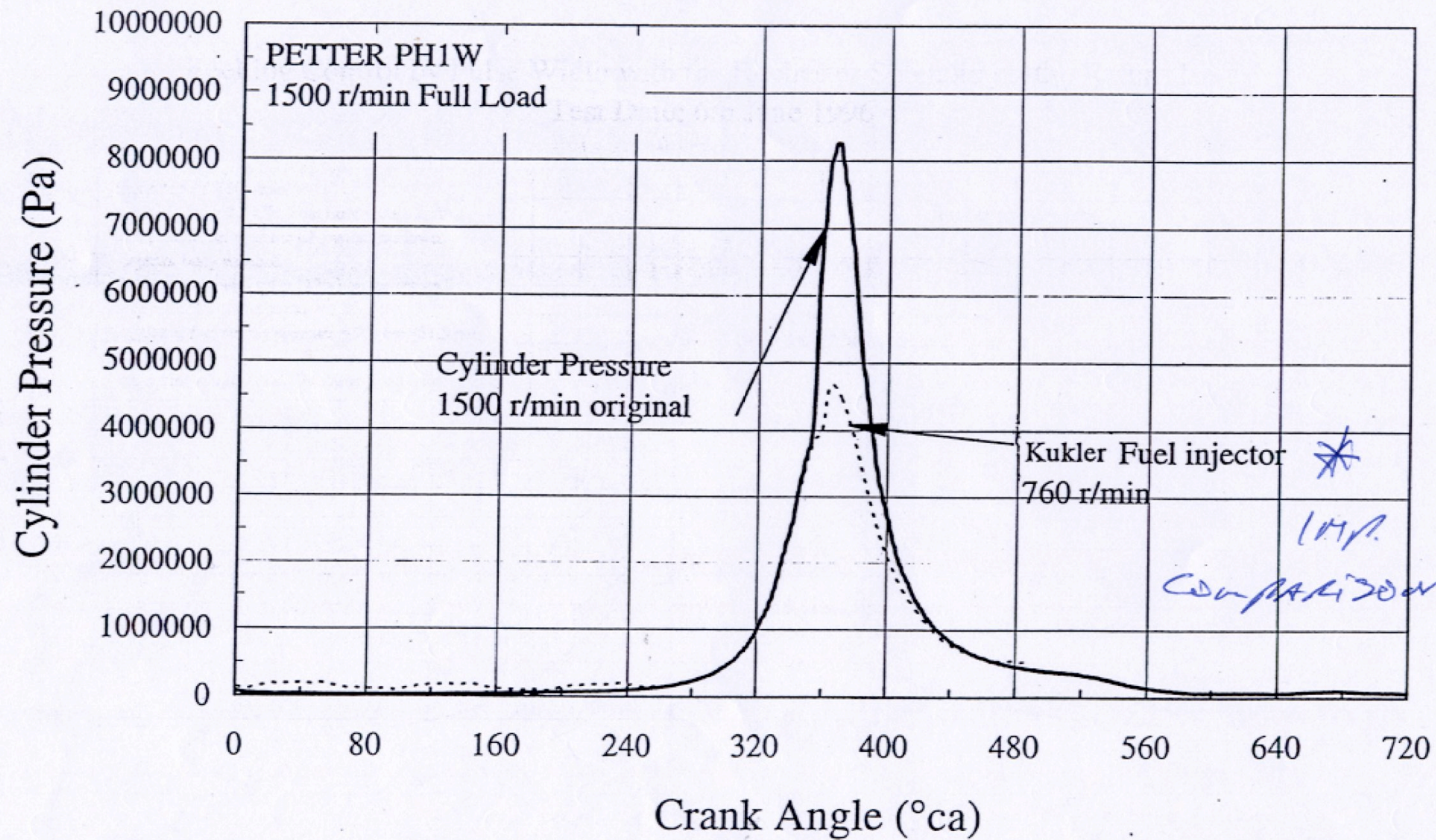
www.greendieselcorp.com



cleaner air for everyone

GRAPH 6

Chart1 (4)

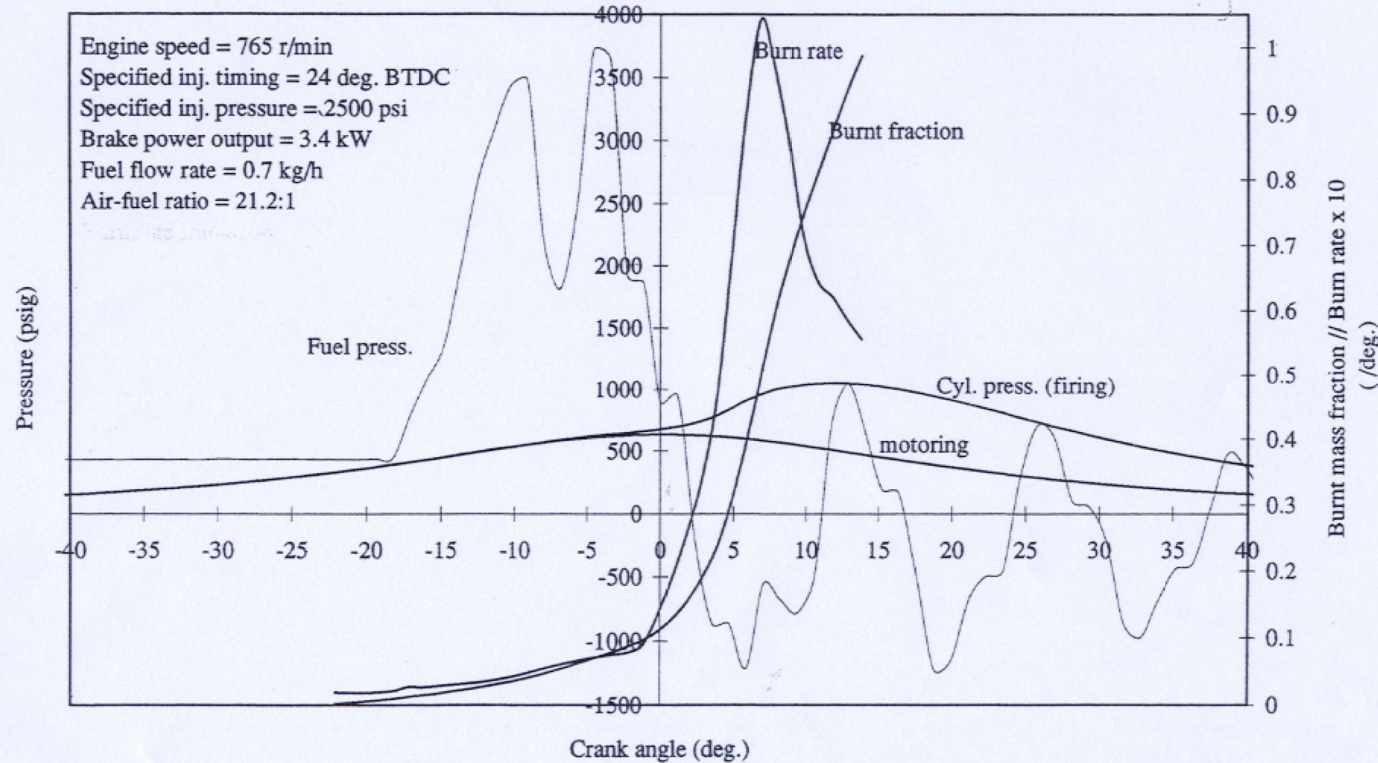


cleaner air for everyone

GRAPH 7

Sample

Fuel Line Pressure for the Base Configuration of the Petter Single Cylinder Engine

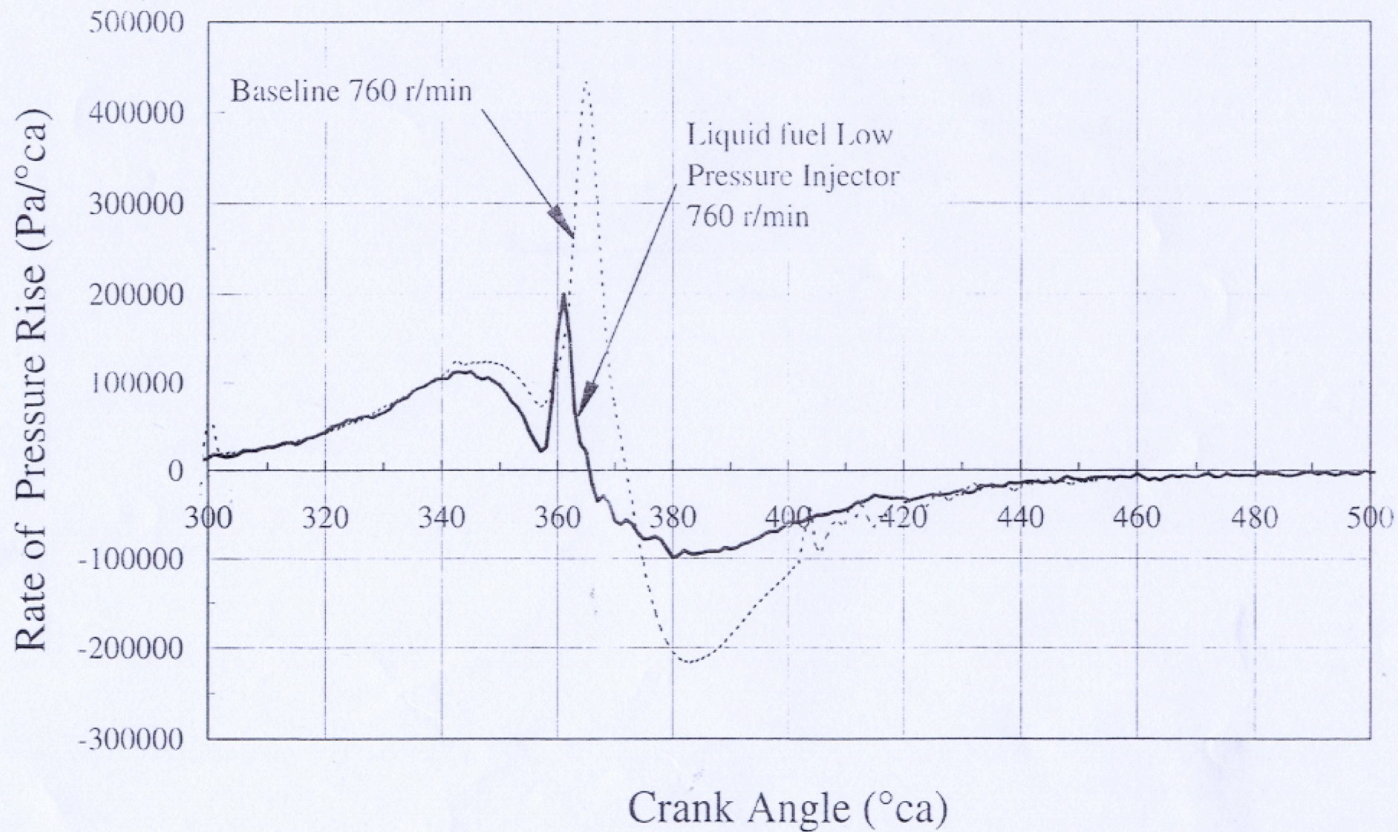


cleaner air for everyone

GRAPH 8

Chart I

SAMPLE early



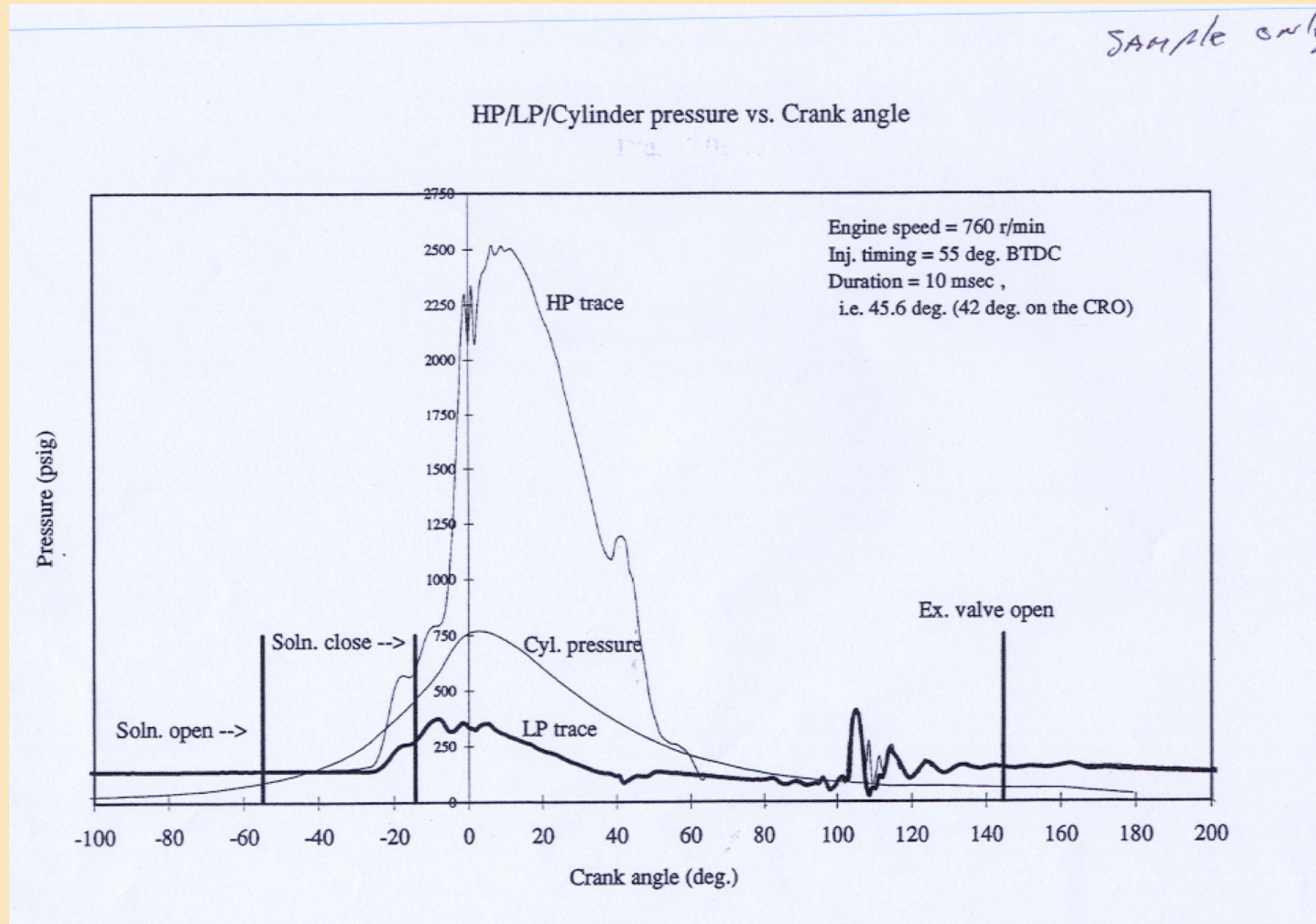
www.greendieselcorp.com



cleaner air for everyone

GRAPH 9

SAMPLE only



www.greendieselcorp.com



cleaner air for everyone

AWARDS

- ‡ Australian Inventor of the Year
- ‡ Gold Medal Class A - International Inventors Fair, Geneva
- ‡ SAE Automotive Engineering Award
- ‡ Weekly Times - Australian Machine of the Year
- ‡ Henty Field Machinery Field Date - Machine of the Year
- ‡ Max Wurker Australian Design Award
- ‡ Gordon Institute Outstanding Alumni Award
- ‡ Hamilton Best Invention Award
- ‡ Hamilton Sustainability & Environmental Award
- ‡ ATS Australian Government Award
- ‡ Sensis Telstra Award



www.greendieselcorp.com



cleaner air for everyone

COST BENEFITS

- Petrol to diesel conversion delivers:
 - twice the distance traveled from single tank of fuel;
 - twice the torque
 - more power
- Original equipment manufacturers installation is cheaper than petrol installation allowing them to market more vehicles
- Heavy truck engines when converted will have an estimated payback time of 4 - 6 weeks



cleaner air for everyone

TIMELINES & MILESTONES FOR DEVELOPMENT

- Pentagon Hummer application completed within 4-6 months.
- V6 AlloyTec GM motors completed within 3-6 months thereafter.
- Detroit Diesel C60 series completed 3-6 months thereafter.
- After market conversion kits starting 9 to 12 months and ongoing thereafter to accommodate hundreds of different models of vehicles



www.greendieselcorp.com



cleaner air for everyone

FINANCE REQUIRED & RISKS INVOLVED

- Investment requirement – \$30m in exchange for shares and global market opportunities
- Green Diesel manufacturing/distribution is established.
- Green Diesel has \$5m Intellectual Property protection in place.
- Global market potential as per business plan, see www.greendieselcorp.com
- Key Risks: Longer product / marketing development time
- Start up / Intellectual Property protection risk factors
- Exit strategy – share market listing or commercial sale

WINNER



www.greendieselcorp.com



cleaner air for everyone

PEOPLE & PARTNERS

➤ Directors:

Ron Kukler - CEO Green Diesel
Society of Automotive Engineers
30 years experience in combustion field.

Peter Bloink - Chartered Accountant
20 years experience
International experience with Ernst & Young USA

Nick Kukler - IT Director

➤ Key Personnel

Dr Asit Das - Diesel Research

Dr Craig Tischler - Diesel Research

Dr James Bloink - USA consultant

Col. Robert Buckstad (Undersecretary of State Pentagon - USA Consultant)

Mark Fisher - Lawyer, solicitor and business development

➤ Further personnel information on web within our Offer Information Statement document

➤ We are seeking suitable person with banking skills.



www.greendieselcorp.com



cleaner air for everyone

GLOBAL APPLICATION FOR SUSTAINABLE DEVELOPMENT

- Global Application - applies directly to all internal combustion engines of which there are some 50m new engines are being manufactured per annum and some 200m units already exist
- Sustainable marketing / development results from constant governments pressure to create clean air environment
- Continual research will maintain our position in the clean air engineering market
- One fuel system applicable to 20 million engines



Green Diesel Scientists

www.greendieselcorp.com



cleaner air for everyone

CONCLUSION

- The driving forces in this market are the clean air acts forwarded and mandated by all major global governments
- Only global technology for conversion from petrol to diesel
- Petrol motor conversion market size is 20 times larger than the entire diesel market

G.M. V6 Alloytech petrol to diesel



Thanks for your kind attention

www.greendieselcorp.com

