

### Biodiesel Questionnaire

Respond by: Wednesday 2<sup>nd</sup> October, 2002

*Environment Australia has a strict timetable for the completion of this project. Please respond by the above date to ensure your official company position is recorded.*

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1. Are you aware of Biodiesel fuel?

**Ans :** Yes ( both Isuzu Japan and Isuzu-General Motors Australia)

2. What is your **international** head office's current position on the use of biodiesel as a vehicle fuel (provided the biodiesel meets a national fuel standard)?

**Ans :**

- Isuzu Japan neither approves nor prohibits using bio-diesel fuel.
- Isuzu Japan responds to requests from Distributors and individual markets on a case-by-case basis
- Any failure from using bio-diesel fuel will not be covered by the warranty.
- Isuzu Japan recommend using the fuel that meet CEN, prEN14214 or ASTM D6751 standard

a. Would the use of B100 biodiesel void a customer's vehicle warranty?

Refer above

b. Would the use of a blend of biodiesel with petroleum-based diesel void a customer's vehicle warranty (specify blend eg greater than 20%)?

Refer above

c. What blend does the company permit its customers use (B100, B20, B5, any, none)?

**Ans :**

- Isuzu agrees with the majority of international diesel engine manufacturers in believing that B5 may be acceptable for use in most automotive diesel engines, providing the biodiesel meets one of the acceptable standards. No formal approval is given to customers.

3. Does the **Australian** head office differ in its current position on the use of biodiesel as a vehicle fuel (provided the biodiesel meets a national fuel standard)?

**Ans :** No. Same position as Manufacturer (Isuzu Japan as above)

a. Would the use of B100 biodiesel void a customer's vehicle warranty?

As above

b. Would the use of a blend of biodiesel with petroleum-based diesel void a customer's vehicle warranty (specify blend eg greater than 20%)?

As above

c. If a customer wished to run their existing vehicle on 100% biodiesel (B100), would you permit its use (acknowledging that as with other fuels, restitution of mechanical problems associated with faulty fuel is the fuel manufacturers liability) or recommend against the use of B100 biodiesel.

*Use of B100 would NOT be permitted until much more comprehensive studies had been undertaken.*

d. If a customer wished to run their existing vehicle on a blend of biodiesel with petroleum diesel, would you permit its use or recommend against the use of a blend?

As above. Neither approve nor prohibit.

e. What blend does the company permit its customers use (B100, B20, B5, any, none)?

As above. Neither approve nor prohibit.

4a. What effect would the use of B100 have on engine performance (negative, positive, no effect, still researching)?

**Ans :** Still researching

b. What blend do you believe would have no negative effect on engine performance (eg. up to 5%, 20%, 100% or still researching)

**Ans :** Still researching

5a. What effect would the use of B100 have on overall engine emissions (negative, positive, still researching)?

**Ans :** Still researching

b. What blend do you believe would have no negative effect on overall engine emissions (eg. up to 5%, 20%, 100% or still researching)

**Ans :** Still researching