

ASIA PACIFIC NATURAL GAS VEHICLES ASSOCIATION

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| Malaysian Members Meeting No. | 1 | Date | 1 st July 2008 | Location | ANGVA Secretariat Office, Bangi, Malaysia |
| Notes of Discussion of the 1 st ANGVA Members Meeting | | | | | |

Attendance:

| No | Name | Organisation |
|----|--------------------------------|---|
| 1 | John Pang | CLS Technology Sdn Bhd |
| 2 | Ir Rothwazar Mohamed Hasbullah | Maju Dancomair Sdn Bhd |
| 3 | Hamish Findlay | Maju Dancomair Sdn Bhd |
| 4 | Ken Wong | Sime Darby Industrial Sdn Bhd |
| 5 | Kwong Tai Choy | UMW Industrial Power Sdn Bhd |
| 6 | Roslan Yahya | UMW Industrial Power Sdn Bhd |
| 7 | Mahendran. A.G. | UMW Industrial Power Sdn Bhd |
| 8 | Prof Ir Dr Barkawi Sahari | Universiti PUTRA Malaysia |
| 9 | Alan Cheng | Yong Ming NGV Industries Sdn Bhd |
| 10 | Atain Atlee | Yong Ming NGV Industries Sdn Bhd |
| 11 | Lee Giok Seng | Asia Pacific Natural Gas Vehicles Association |
| 12 | Norhafiza Roosli | Asia Pacific Natural Gas Vehicles Association |

Apologies:

| No | Name | Organisation |
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| 1 | Phuah Peck Hoon | BT Automotive Systems Sdn Bhd |
| 2 | Christopher Nghia Do | IEV Energy SDN BHD |
| 3 | Tan Kong Keng | Kuala Lumpur Valve & Fitting (M) Sdn Bhd |
| 4 | Mohd.Haikal Zubir | PETRONAS |
| 5 | Andrew BT Wong | Swagelok Company |

| No | Item Discussed |
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| 1.0 | <p><u>Briefing by ANGVA Executive Director</u></p> <p>Meeting commenced at 9.30 am and started with a briefing by the ANGVA Executive Director on the introduction and operation of ANGVA. Followed by the status of NGV industry in Asia Pacific and Malaysia. Copy of the presentation material will be emailed to members later.</p> |
| 2.0 | <p><u>Members Discussion</u></p> |
| 2.1 | <p>The highlight of the meeting was the discussion on "How can local industry leverage on ANGVA to grow the NGV industry in Malaysia?"</p> |
| 2.2 | <p><u>Malaysian Approval Process for Conversion Kits</u></p> |
| 2.2.1 | <p>Noted that the existing approval process by JPJ (Approval Authority) and SIRIM (Test Authority) for conversion kits, which include sending officer to witness tests in overseas testing laboratory, is expensive and not helping the local NGV industry.</p> |

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| 2.2.2 | Noted that Approving Authority should look at approval via documentation especially those kits that had been certified by international certification bodies. |
| 2.2.3 | Noted that ANGVA might be able to exist by bringing up this issue with the Approving Authority. Members to provide background information and proposal for ANGVA to discuss with the relevant authority. |
| 2.2.4 | On the re-inspection of the CNG / NGV cylinders installed on vehicles, noted that there are two types of cylinders in the market – those 'old' cylinders made to NZS 5454 and the 'newer' cylinders made to ISO 11439. Many of these NZS 5454 cylinders had not carried out periodic re-certification as required. Noted that ANGVA should also bring this up with the relevant authority. |
| 2.3 | Enforcement of Safety Standards & Practices |
| 2.3.1 | Members expressed concern with the existence of uncertified and unlicensed converter workshop for safety reasons. It was agreed that enforcement from government is needed to address this problem as any safety incidents would affect the NGV business in the country. |
| 2.3.2 | Agreed that awareness and education programmes should be conducted to educate the workshops, customers and public with regard to the safety requirement for NGV workshops, vehicles and stations. These could be done via leaflets, brochures and holding of briefing and seminars. |
| 2.3.3 | Noted that Seminars can be held at premises of some members that have facilities for such events. And institution like UPM can be engage to compile information on safety and also information to produce leaflets and brochures. ANGVA can take the lead in these matters. |
| 2.3.4 | Noted also that the local NGV players might want to organise themselves into a local association or group to ensure the safety and integrity of the local NGV industry. Members can also use ANGVA for this purpose since ANGVA is located in Malaysia. |
| 3.0 | <u>Next Meeting</u> |
| 3.1 | Agreed that ANGVA members to meet again in one month time. |
| 3.2 | Meeting adjourned at 11.15 a.m. with a note of thanks to all members present. |

Prepared by:
ANGVA Secretariat
03/07/08