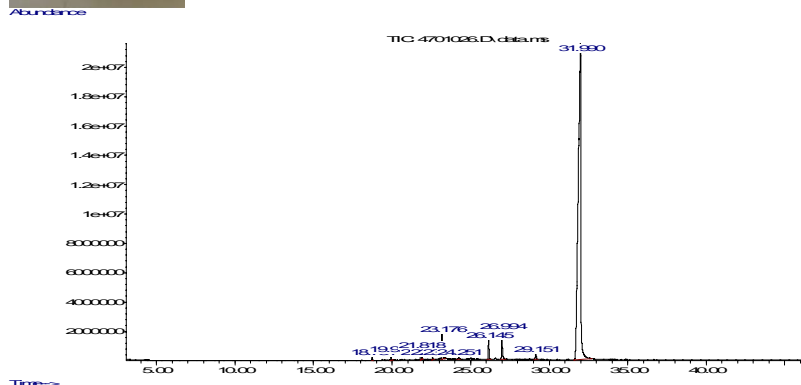


DETAILED TEST INFORMATION OF FAILED AUTOGAS EQUIPMENT AS CONTAINED IN APPENDIX A OF THE AUTOGAS UPDATE REPORT OF NOVEMBER 08

DOCEP INVESTIGATION: GC/MS analysis of residues recovered from failed LPG regulators (converters) August September 2008

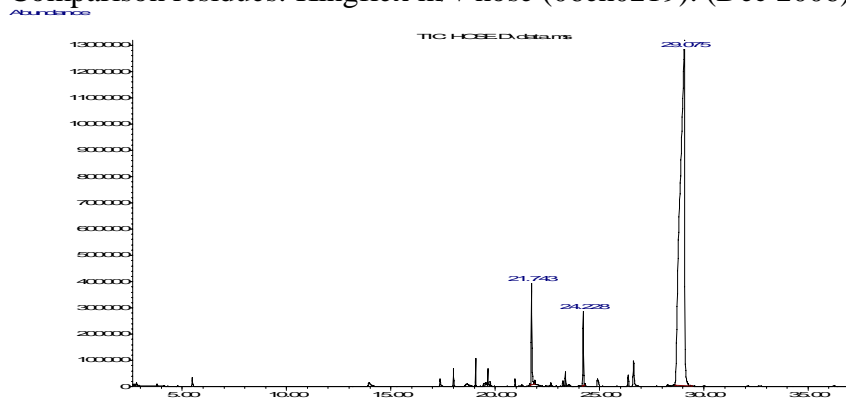
- 08eh0066.001-oil from metal component-failed regulator provided by Ecoshot vapour withdrawal system.

(Identified source=Kingflex hose on motor vehicle-m/v)



Major Components	Peak ID (time)
Antioxidant 4010NA	23.176 min
Diethyl Phthalate	26.145 min
Wareflex and Diethoxyethyl Adipate	31.990 min
Other Components	
Uniplex 214	21.818 min
Diethyl Adipate	24.251 min

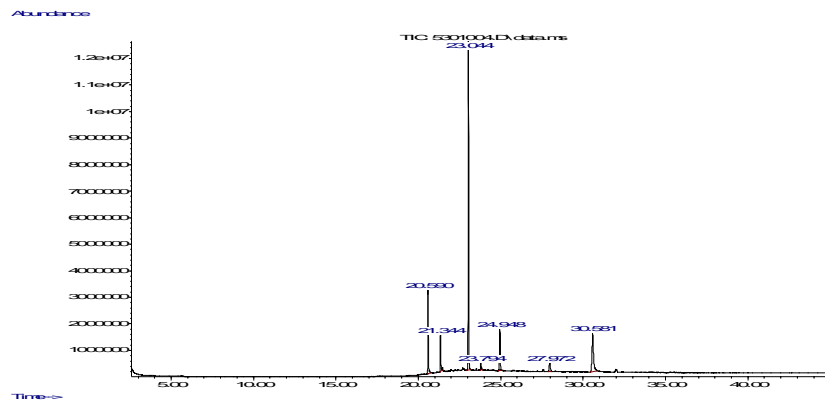
Comparison residues: Kingflex m/v hose (06eh0219). (Dec 2006)



Major Components	Peak ID (time)
Antioxidant 4010NA	21.743 min
Diethyl Phthalate	24.228 min
Wareflex and Diethoxyethyl Adipate	29.075 min

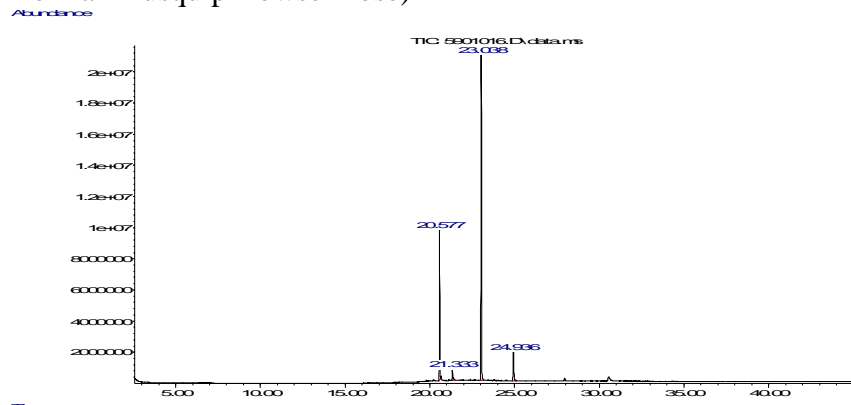
Sample submitted by EnergySafety obtained from Elco Marlon Rainnie
08eh0081.001 to 08eh0081.004

■ 08eh0081.001: Oil from the diaphragm of a failed regulator
(Identified source=ELCO hose on motor vehicle-m/v and some contribution (~9%)
from an Ausquip Bowser hose)



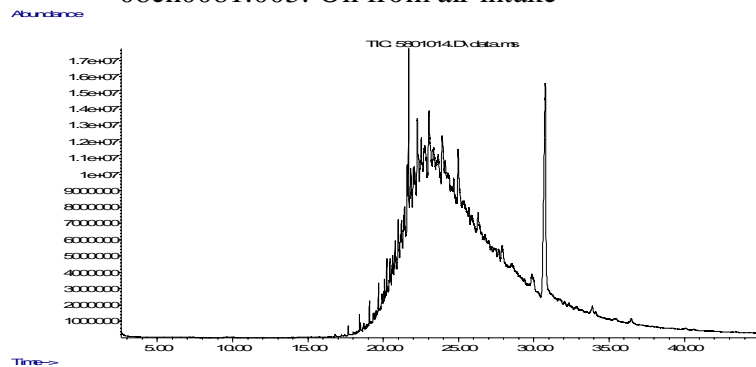
Major Components	Peak ID (time)
Dibutyl Phthalate	20.590 min
Diethyl Adipate	23.044 min
Diethyl Phthalate (9%)	24.948 min
Wareflex and Diethoxyethyl Adipate	30.581 min

■ 08eh0081.002: Oil from LPG ex M/V tank
 (Identified source=ELCO hose on motor vehicle-m/v and some contribution (~8%)
 from an Ausquip Bowser hose)



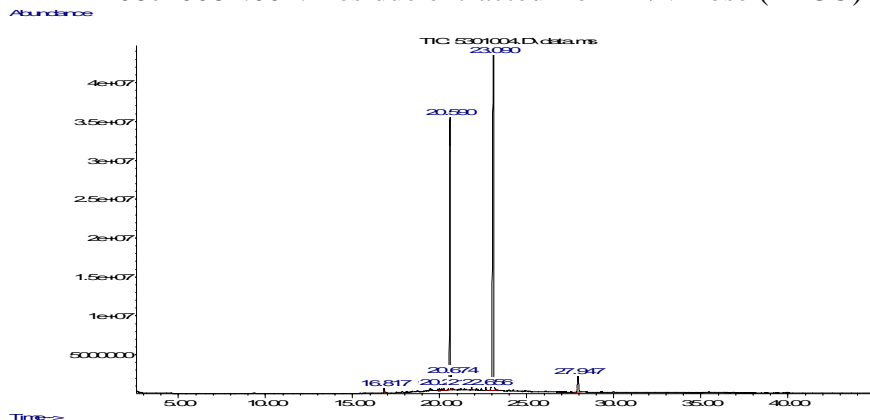
Dibutyl Phthalate	20.577 min
Diocetyl Adipate	23.038 min
Diocetyl Phthalate (8%)	24.936 min
Wareflex and Diethoxyethyl Adipate	30.560 min

■ 08eh0081.003: Oil from air intake



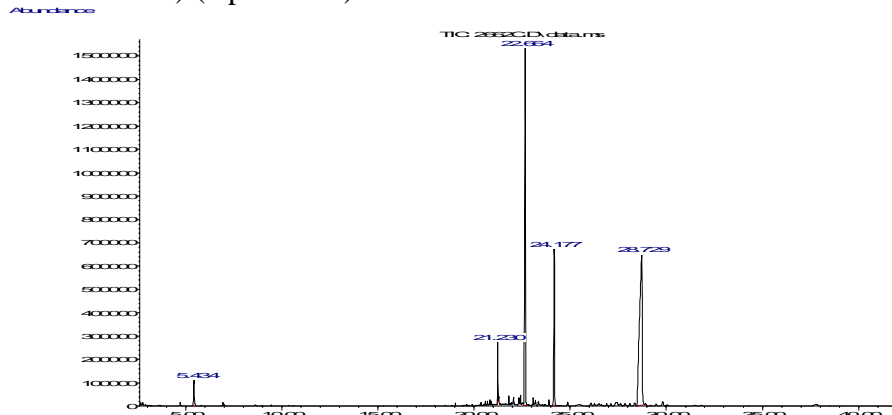
Mineral oil with Wareflex and Diethoxyethyl Adipate (30.560 min)

■ 08eh0081.004: Residue extracted from M/V hose (ELCO) (Sep 2008)



Time-->
 Dibutyl Phthalate 20.590 min
 Dioctyl Adipate 23.090 min
 Dioctyl Phthalate- not present
 Wareflex and Diethoxyethyl Adipate-not present

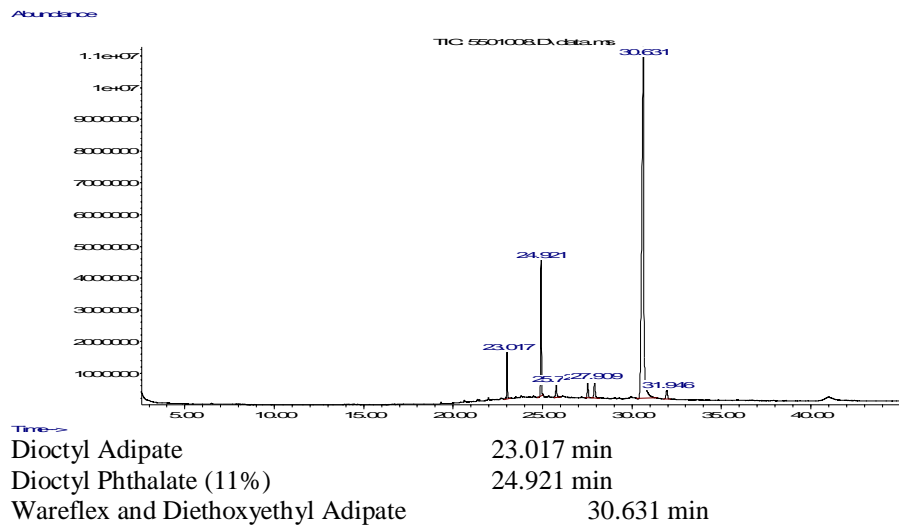
■ Residue from LPG sample, Shell Casaurina (having an Ausquip, Bowser hose) (April 2007)



Time-->
 Dioctyl Adipate 22.664 min
 Dioctyl Phthalate (16%) 24.177 min
 Wareflex and Diethoxyethyl Adipate 28.729 min

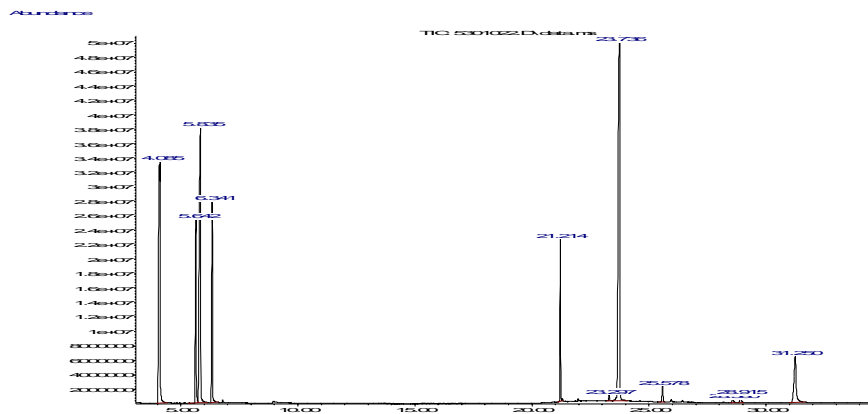
Submitted by EnergySafety sample obtained from Balcatta Autogas John Guthrie

■ 08eh0105.001: oil from inside failed regulator
(Identified source= Ausquip type m/v hose)



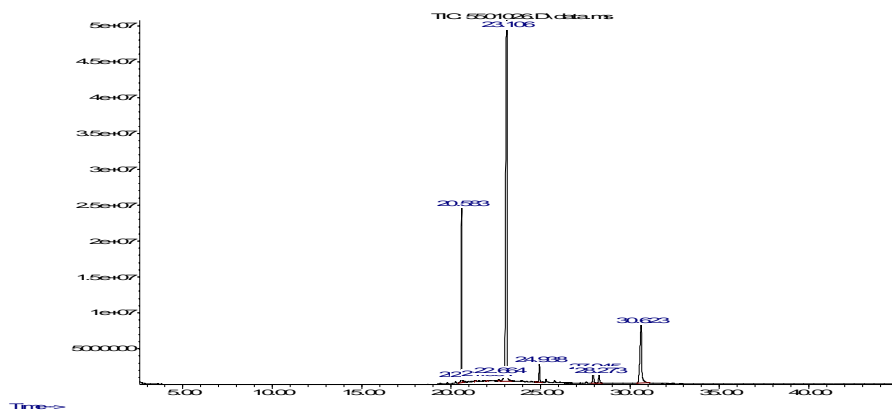
- Samples submitted by MTA, samples obtained from Mark Collins (Levato) 08eh0106.001 to 08eh0106.004

- 08eh0106.001: Brown liquid-MTA (contains thinners solvent @ 18%)



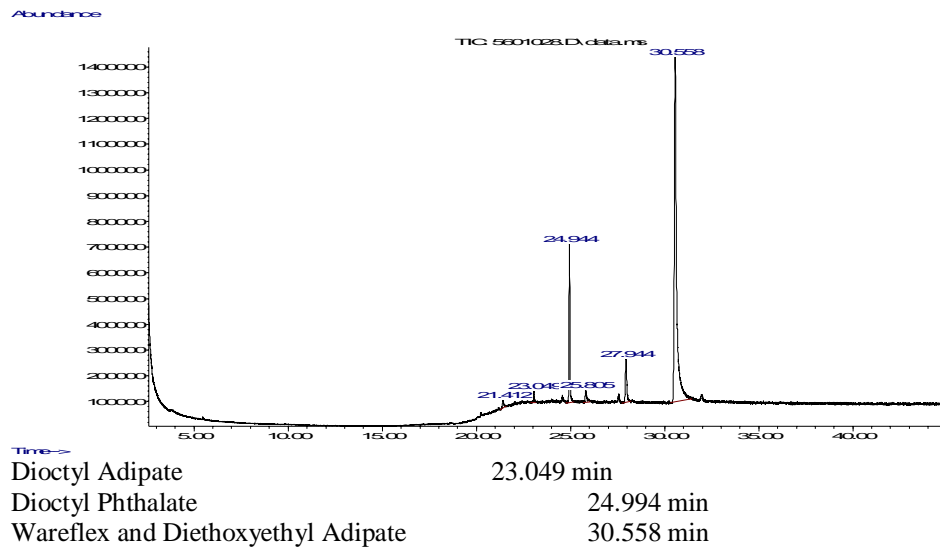
Dibutyl Phthalate	21.2147 min
Diocetyl Adipate	23.736 min
Diocetyl Phthalate (8%)	25.578 min
Wareflex and Diethoxyethyl Adipate	31.250 min

- 08eh0106.001: Residue from brown liquid-MTA (solvent removed)
(Identified source=ELCO type hose from m/v with some contribution (~2%) from an Ausquip Bowser hose)

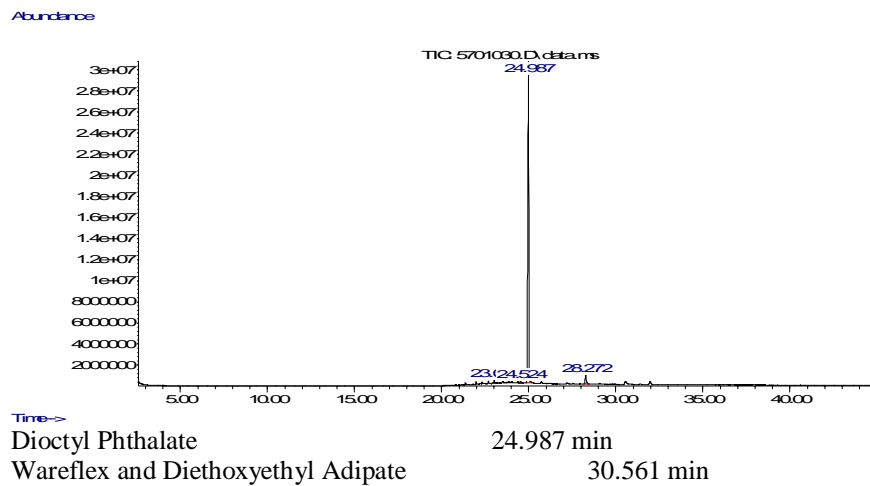


Dibutyl Phthalate	20.583 min
Diethyl Adipate	23.106 min
Diethyl Phthalate (2%)	24.938min
Wareflex and Diethoxyethyl Adipate	30.623 min

■ 08eh0106.002: Residue from diaphragm, failed regulator (250000Km)-MTA
(Likely source=Ausquip type m/v hose)



■ 08eh0106.003: Residue from diaphragm, failed regulator (850000Km)-MTA
(Likely source=m/v hose, type unknown)



■ 08eh0106.004: Residue from diaphragm, failed regulator (50000Km)-MTA
(Likely source=Ausquip type m/v hose)

