



FTC ADDITION — NO CHANGE IN FUEL SPECIFICATION

The addition of FTC to distillate fuel at the recommended ratio of 1:1600 will not alter fuel specification. As a check, Fuel Technology requested BHP Petroleum Laboratory at Mulgrave in Victoria to analyse two samples of distillate drawn from the same source. Sample A was analysed as received, Sample B was treated with FTC at a ratio of 1:1600.

The results obtained for both samples all fall within the repeatability limits of each test, confirming that addition of FTC to the fuel has not given rise to any observable changes in the properties of the fuel.

| | | | Sample A | Sample B |
|---------------------|-------------------------|-----|----------|----------|
| ASTM D976-80 | Calculated Cetane Index | | 49.6 | 49.6 |
| ASTM D86-82 | Initial boiling point | ° C | 207.0 | 208.0 |
| | 5% recovered | ° C | 234.0 | 234.0 |
| | 10% recovered | ° C | 243.0 | 243.5 |
| | 20% recovered | ° C | 255.0 | 256.0 |
| | 30% recovered | ° C | 264.5 | 264.5 |
| | 40% recovered | ° C | 273.5 | 273.0 |
| | 50% recovered | ° C | 283.0 | 283.0 |
| | 60% recovered | ° C | 293.0 | 293.0 |
| | 70% recovered | ° C | 304.5 | 304.0 |
| | 80% recovered | ° C | 317.0 | 316.5 |
| | 90% recovered | ° C | 333.5 | 332.0 |
| | 95% recovered | ° C | 346.0 | 345.0 |
| | Final boiling point | ° C | 353.0 | 352.0 |
| | Recovered | % | 97.5 | 98.0 |
| | Residue | % | 2.0 | 2.0 |

| | | | | |
|----------------------|-----------------------------|-------|-------|-------|
| | Loss | % | 0.5 | 0.0 |
| ASTM D2500-81 | Cloud point | ° C | 7.0 | 7.0 |
| IP 336/81 | Total sulphur | Wt % | 0.17 | 0.16 |
| ASTM D130-83 | Temperature of test | ° C | 100.0 | 100.0 |
| | Duration of test | Hours | 3.0 | 3.0 |
| | Copper strip corrosion | | 1a | 1a |
| ASTM D524-81 | Ramsbottom carbon residue | Wt % | 0.12 | 0.12 |
| | Conradson carbon residue | Wt % | 0.07 | 0.07 |
| ASTM D1796-83 | Sediment and water | Vol % | 0.0 | 0.0 |
| ASTM D93-85 | Flash temperature | ° C | 84.0 | 82.0 |
| IP 216/85 | Total contamination (0.8 µ) | mg/L | 0.5 | 1.5 |
| | Non-combustible contaminant | mg/L | 0.5 | 0.5 |
| | Volume sample used | mL | 200.0 | 200.0 |
| ASTM D445-83 | Viscosity at 37.8° C | cSt | 3.394 | 3.372 |

Fuel Technology Pty. Ltd. ACN 100 293 490

2 Tipping Road, Kewdale, Western Australia, 6105

Telephone (08) 9353; 1016 Facsimile (08) 9353 1013; Email fueltech@inet.net.au

60 Formation Street, Wacol, Queensland, 4076. Telephone (07) 3271 4138 Facsimile (07) 3271 5739