

PHILLIPS 66 LIMITED / JET :- UK MARKETING SPECIFICATION

SULPHUR FREE AUTODIESEL TO BS EN 590

SHEET 4-4

| PROPERTY & UNITS | LIMIT | | TEST METHOD Note (1) |
|---|-----------|--|------------------------------|
| Appearance | | Clear and bright, free from visible sediment and water | Visual |
| Colour | Max | 2.0 | D1500 / IP196 |
| Odour | | Merchantable | |
| Density @ 15C kg/m ³ | Min - Max | 820.0 - 845.0 | EN ISO 3675 / 12185 |
| Cold Filter Plugging Point | | | EN 116 / IP309 |
| Winter C (2) | Max | -15 | |
| Summer C (2) | Max | -5 | |
| Cloud Point | | | EN 23015 |
| Winter C (2) | Aim | -5 | |
| Summer C (2) | Aim | +3 | |
| Flash Point (PMCC) C | Min | 56 | EN ISO 2719 |
| Cetane Number | Min | 51.0 | EN ISO 5165 / EN 15195 |
| Cetane Index | Min | 46.0 | EN ISO 4264 |
| Viscosity cSt @ 40C | Min - Max | 2.000 - 4.500 | EN ISO 3104 |
| Polycyclic aromatic hydrocarbons (% wt) | Max | 8.0 | EN 12916 |
| Sulphur mg/kg | Max | 10.0 | EN ISO 20846 / 20884 / 13032 |
| Copper Corros'n (3 Hr @ 50C) | Max | 1 | EN ISO 2160 |
| Micro Carbon Residue :- Residue wt on 10% Bottoms | Max | 0.30 (Note 3) | EN ISO 10370 |
| Ash % Wt | Max | 0.010 | EN ISO 6245 |
| Particulate Matter mg/kg | Max | 24 | EN 12662 |
| Water mg/kg | Max | 200 | EN ISO 12937 |
| Distillation C | | | EN ISO 3405 / 3924 |
| % Vol Rec @ 250C | | <65.0 | |
| % Vol Rec @ 350C | Min | 85.0 | |
| 95 % Vol recovered at degC | Max | 360 | |
| Oxidation Stability g/m ³ | Max | 25 | EN ISO 12205 |
| Oxidation Stability hours | Min | 20 (Note 5) | EN 15751 |
| Lubricity, Corrected Wear Scar Diameter @ 60 degC | Micron | 460 | ISO 12156 - 1 |
| Fatty Acid Methyl Tester (FAME) content %V/V | Max | 7.0 (Note 4) | EN 14078 |
| Notes. | | | |
| 1) Latest Test Methods or technical equivalent used | | 3) May contain an ignition improver in which case the MCR test is not valid. | |
| 2) Unless otherwise advised the following seasonal dates apply at point of sale :- Summer : 16 March - 15 November | | 4) FAME shall meet the requirements of EN 14214 | |
| | | 5) Only applicable when FAME content exceeds 2% | |
| THIS SPECIFICATION IS ACCURATE AT THE DATE OF ISSUE, AND SUPERSEDES ALL PREVIOUS ISSUES. | | | |