



## ***ProVIS 50, SG/CD***

Product code s2230, June 10, 2004

PROVIS 50 is very specialised "energy saving" engine oil for all naturally aspirated and turbo-charged four stroke gasoline passenger cars and motor cycles engines. Hi Strength 50 meets and exceeds the API Service Classifications SG/CD. They give vastly improved protection resistance against engine wear, high temperature oxidation deposits and sludge formation as well as protection against low temperature "black sludge" development.

**LONGER ENGINE LIFE.** PROVIS 50 provides increased engine life since the minimal wear rates associated with quality SF engine oils, are decreased at least 30%. Newly developed anti-wear additives minimise wear, under all service conditions to rings, cylinders, bearings, timing gear, valve train and all moving engine surfaces.

**HIGH TEMPERATURE PERFORMANCE** is enhanced by the careful selection of thermally stable base oils, oxidation inhibitors and detergents. High temperature deposits and lacquers associated with oxidation and nitration which occur in lean burn fuelled engines are avoided so that peak engine performance is always available under the extremes of sustained high speed highway motoring. Viscosity thickening is a parameter of oxidation. PROVIS 50 contributes to less oxidation and more protection from piston deposits compared to conventional SF engine oils when tested in the ASTM Sequence IIIE engine.

ProVIS 50 meets or exceeds:

API: SG/CD, JASO MA and OEM manufacturers:

FORD M2C. 153E (D & C)

GM 6085M, 6048M

DAIMLER BENZ 226.5

VOLKSWAGEN 500.00, 501.01

### **Typical Tests**

### **ASTM method      Hi Strength 50**

|                                      |        |       |
|--------------------------------------|--------|-------|
| Density, kg/Lt at 15 <sup>0</sup> C  | D.1298 | 0.899 |
| Viscosity, cSt at 100 <sup>0</sup> C | D.445  | 22.1  |
| at 40 <sup>0</sup> C                 | D.445  | 240   |
| Viscosity Index                      | D.2270 | 112   |
| Pour Point, <sup>0</sup> C           | D.97   | -24   |
| Total Base Number                    | D.2896 | 7.6   |
| Sulphated-Ash, % Mass                | D.874  | 0.86  |
| Phosphorus, % Mass                   | D.1091 | 0.09  |
| Zinc, % Mass                         | A/A    | 0.09  |
| Magnesium, % Mass                    | A/A    | 0.03  |
| Nitrogen, % Mass                     | A/A    | 0.06  |
| Calcium, % Mass                      | A/A    | 0.12  |

