

## SAE 15W-40 CF4

### Description

CF4 15W-40 is a fuel saving MID SAPS super high-performance universal oil based on synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-4, Euro-5 and Euro-6 engines equipped with a Diesel Particulate Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

### REDEFINING LIQUID ENGINEERING

### Performance Benefits

|  |   |
|--|---|
| <b>Thermal Oxidation stability</b>       | <b>Control sludge build up and wax formation</b>    |
| <b>Excellent detergency/ dispersancy</b> | <b>Cleaner engines leading to longer life span</b>  |
| <b>High shear stability</b>              | <b>Reduce oil consumption through wear and tear</b> |

### Applications

It is designed as per requirement of Engine oil for use in BS I/ BS II Commercial vehicle diesel engines manufactured by Tata Motors.

| TESTING METHODS                      | RESULTS |
|--------------------------------------|---------|
| SAE GRADE                            | 15W-40  |
| VISCOSITY, ASTM D445                 |         |
| cSt @ 40 °C                          | 105     |
| cSt @ 100 °C                         | 14.4    |
| Viscosity Index, ASTM D 2270         | 140     |
| Sulfanated Ash, Wt%, ASTM D874       | 1.1     |
| Total Base # , mg KOH/g, ASTM D 2896 | 8       |



|                                  |       |
|----------------------------------|-------|
| Pour Point, °C, ASTM D 97        | -28   |
| Flash Point, °C, ASTM D 92       | 225   |
| Density @ 15°C kg/l, ASTM D 4052 | 0.876 |

## Approval

*Volvo VDS 4.5, Mack EOS-4.5, MB-Approval 228.31 Exceeds: API CF4, ACEA E7/E9, API CK-4, DFS 93K222, DQC III-10-LA, MTU Cat 2. 1, Cummins CES 20086, MAN M3575, Renault RLD-3, CAT ECF-3, Ford M2C171-F 1*

PRODUCTS AVAILABLE IN 5L, 18L, 200L

## Health, Safety & Environment

### Health and Safety

- Our Lubricant is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.
- Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.advancelubholdings.com>
- Protect the Environment Take used oil to an authorized collection point.
- Do not discharge into drains, soil or water. Additional Information Advice on applications not covered here may be obtained from our representative.