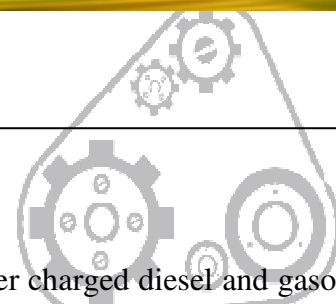




GALLANT ADVANCE (DIESEL ENGINE OIL)



Introduction:

Motorol GALLANT ADVANCE is a designed for naturally-aspirated turbo charged and super charged diesel and gasoline engines found in vehicles. This engine oil is designed for diesel powered vehicles in all major industries from transporters and mining to construction agriculture and power generation. It meets SAE 15W-40 grade.

Applications:

- ◆ All naturally-aspirated and turbo charged four stroke diesel engine oil using high and low sulphur fuels.
- ◆ Commercial road transport including the latest electronically controlled engines.
- ◆ Stop-and-go vehicles in high soot loading services such as buses and waste collection trucks.
- ◆ Off high way vehicles and plant machinery including equipment for open cut and underground mining, quarrying and construction.
- ◆ Power generation sets.

Advantages:

- ◆ Prolongs engine life with an anti-wear additives system providing excellent protection against wear of critically loaded component under all operations:
- ◆ Reduces maintenance cost by using unique additives technology to disperse soot and maintaining clean engine in all service conditions.

Performance Standard:

Volvo VDS3, API CI4

Typical Specifications:

Sr. No.	Characteristics	Test Method	Typ. Value
1	Appearance	VISUAL	Bright & Clear
2	Colour, Max	ASTM D 1500	4.0
3	Kinematic Viscosity at 100°C, cSt	ASTM D - 445	13.5 - 15.5
4	Viscosity Index, Min	ASTM D - 2270	130
5	TBN, mg KOH/g	ASTM D - 2896	9-10
6	Flash Point, (COC), °C Min	ASTM D - 92	200
7	Pour Point, °C Max	ASTM D - 97	(-) 24

Environment, Health & Safety:

Every care has been taken to ensure the accuracy of the information in this PDS. This however may be affected by subsequent improvement in product (R&D). MSDS is available for all MOTOROL products on request. MOTOROL products are unlikely to present any health and safety hazard with proper use for the correct application and maintain proper personal hygiene. Do not Spill oils on the shop floor, discharge into drains ,ground or water sources.