

AUTOMOTIVE GREASES

The important parts of an automobile which need grease lubrication are its chassis, wheel bearings and water pump. The grease for lubrication of the chassis has to withstand shock loads, seal the parts from ingress of dust and remain in place without leaking. The wheel bearing grease has to withstand high temperatures and not soften excessively in the bearings. The grease for the water pump has to lubricate in the presence of water.

- **IPOL AUTOMOTIVE GREASES** which are dispersions of suitable thickeners in a lubricating oil, are extensively used for the lubrication of automobiles. These meet IS 506:1983 and are marketed in the following grades.
- **IPOL CHASSIS GREASE** is a calcium base grease containing additives that impart extreme pressure properties. Being tacky it cannot be easily displaced with vibration and shock loads. It is also water resistant.
- **IPOL WHEEL BEARING GREASE** is sodium base grease with very good structural stability. It gives excellent performance when the bearing is half filled with grease and not excessively packed. It withstands high temperatures and can be used in wheel bearings of vehicles with both drum and disc brakes.
- **IPOL MULTI-PURPOSE GREASE 2 & 3** are lithium soap all purpose premium quality greases. These are resistant to water washing and can withstand high temperatures. These leave good oxidation and thermal stability, do not soften excessively on working and meet IS -719:1974
- **IPOL M.P. GREASE NO. 3** is specially formulated for heavy-duty service e.g. Wheel Bearings of commercial vehicles and industrial locations with shock loadings. It has improved oxidation stability and antirust properties.

IPOL AUTOMOTIVE GREASES offer the following BENEFITS:-

- Do not soften during use, or thin down and leak.
- Do not harden during their service life.
- Can perform beyond recommended lubrication periods.

Product Data

Typical Results : IPOL AUTOMOTIVE GREASES

Characteristics	Test Method	IPOL Chassis Grease	IPOL Wheel Bearing Grease	IPOL M.P. Grease No. 2	IPOL M.P. Grease No. 3
Colour	Visual	Dark	Brown	Light Brown	Light Brown
Structure	Touch	Semi Fluid	Short Fibre	Smooth	Smooth
Penetration @25°C (100,000 Strokes)	ASTM D 217	310-340	220-250	265-295	220 -250
Drop Point °C	ASTM D 566	150	150	180	190

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