

Lubricants for Vehicle & Generators

1. Specifications for Engine Oil (For Light Diesel Vehicle)

S.N.	Parameters	Technical Specifications	Remarks
1	Type	SAE 10W30, or CI-4 Plus or better	
2	Feature	Synthetic based , prevent metal to metal contact and high anti wear performance	
3	Packing	5-20 ltrs Bucket or gallon	
4	Requirement	Date of manufacture should not exceed 6 months at the time of the delivery	
5	API Certification	Current year	

2. Specifications for Engine Oil (For Heavy Diesel Vehicle)

S.N	Parameters	Technical Specifications	Remarks
1	Type	SAE 15W40 , CI-4 Plus or better	
2	Feature	Synthetic based , prevent metal to metal contact and high anti wear performance	
3	Packing	5-20 ltrs Bucket or gallon	
4	Requirement	Date of manufacture should not exceed 6 months at the time of the delivery	
5	API Certification	Current year	

3. Specifications for Brake Fluid Dot -3

S.N	Parameters	Technical Specifications	Remarks
1	Type	Minimum FMVSS- 116, Poly Glycol Synthetic	Red / White
2	Feature	High temperature resistance and low hygroscopic with superior Boiling point and high vapour lock	
3	Packing	500 ml or less	
4	Standard	ISO or Equivalent of current year	
5	Requirement	Date of Manufacture Should not exceed 6 months at the time of the delivery	

4. Specifications for Brake Fluid Dot -4

S.N	Parameters	Technical Specifications	Remarks
1	Type	Minimum FMVSS- 116, Poly Glycol Synthetic	Red/White
2	Feature	High temperature resistance and low hygroscopic with superior Boiling point and high vapour lock	
3	Packing	500 ml or less	
4	Standard	ISO or Equivalent of current year	
5	Requirement	Date of Manufacture Should not exceed 6 months at the time of the delivery	

5. Specifications for Gear Oil GL-5

S.N	Parameters	Technical Specifications	Remarks
1	Type	SAE 80W90 or 85W140 , minimum GL-4 or GL-5	
2	Feature	Protection of gears from scuffing , rusting and corrosion along with thermal and oxidation stability	
3	Packing	Standard	
4	Requirement	Date of manufacture should not exceed 6 months at the time of the delivery	
5	Certification	ISO or Equivalent of current year	

6. Specifications for Coolant

S.N.	Parameters	Technical Specifications	Remarks
1	Type	P-HOAT (Phosphated Hybrid Organic Acid Technology Coolant)	
2	Packing	0.5-1 Ltr	
3	Requirement	Date of manufacture should not exceed 6 months at the time of the delivery	
4	Certification	ISO or Equivalent of current year	

7. Specifications for Grease Lithium Base

S.N	Parameters	Technical Specifications	Remarks
1	Feature	Protection of gears from scuffing , rusting and corrosion along with thermal and oxidation stability, minimum NLGI-3	
2	Packing	Standard	
3	Requirement	Date of manufacture should not exceed 6 months at the time of the delivery	
4	Certification	ISO or Equivalent of current year	

Note : (a) For API Products:

- (i) Product catalog must show the physical appearance of end product,
- (ii) API Should be indicated on each product container,
- (iii) Manufactured Product and API certification should be from Same Country,
- (iv) Product Batch number and batch testing certificate is required,
- (v) Product should be manufactured by multinational company present in atleast five countries.

(b) ISO products: ISO 9001:2008 Certificate must be present,

(c) Sample : Sample must be presented at the time of bid evaluation along with product's original certification documents.

(d) Additional Documents : Supplier should present the EXIM documents (for those product which are imported to Nepal) to the evaluation committee on the delivery point (ARMY ORDNANCE DEPOT).