

## Daily vehicle inspection

### **1. Check the oil and fluid**

1) Engine oil: Check whether the engine oil is sufficient or not. The oil level should be between the line L and H of the oil gauge. Do not mix different brands of oil.

2) Cooling fluid: Check whether the engine coolant is sufficient or not, when the engine is supplemented with antifreeze, it is better to supplement the engine when the engine is in idle running state. It is prohibited to mix different types of antifreeze and use water instead of antifreeze.

3) Brake fluid: Open the front cab door and check whether the brake fluid level is at the marking position of the brake fluid tank or not, it should not be lower than the lower limit.

4) Oil for lifting and steering system: Check whether the oil mass is up to standard line from the oil level window of the hydraulic oil tank or not. The L-HV32 hydraulic oil had been added before the dump truck been delivered.

5) Fuel oil: Check the position of fuel gauge pointer at the control panel of cab. When the fuel gauge pointer is located at the red scale, fuel oil should be filled in time.

### **2. Check the gas circuit and electric circuit**

1) Gas circuit: Shut down engine with full air pressure, no air leakage. Operate brake pedal, brake camshaft, air chamber push rod quick return position, no stuck.

2) Lamplight: Turn on headlights, high beams, fog lights, combined taillights, double flashing lights, brake lights, reverse lights, etc., and check whether they are normal or not, the irradiation height should be consistent, converting the near and far lights, brightness and irradiation position should be correct, not deviate and astigmatism.

3) Meter: Check whether the instrument is normal or not. Check whether the oil pressure, water temperature, charging indicator and air pressure are normal or not.

### **3. Check the chassis, suspension and fasteners**

1) Check whether the bolts of the drive shaft are loose or not, the joints of the cross shaft and spline are well lubricated or not, and the bolts of the drive shaft are disposable or not and should not be reused or not.

- 2) Check the leaf spring without cracks, broken pieces and arranged neatly.
- 3) Check whether the U bolt is loose or not(the U bolts must be re-tightened within three days after the vehicle arrives at the mine and the tightening torque shall reach M30 1100-1200N.m).
- 4) Check whether the plate spring support, shock absorber, thrust rod and thrust rod support are damaged or not.

#### **4. Check tires and bolts**

- 1) Check the appearance of the tire: whether there are obvious scratches or swells or not.
- 2) Check tire air pressure: Air pressure of ADVANCE and AEOLUS bias tire is 1-1.1 Mpa, their radial tire air pressure is 1.1-1.15 Mpa, and the KUNLUN tire air pressure is 1.3 Mpa.
- 3) Check whether the tire bolts are tightened: The tightening torque of the tire bolts is 700-800 N.m (once each tire been changed, the tire must be re-tightened after driving for 5 hours or 50 km).

#### **5. After-Driving Checking**

- 1) Drain gathered water of inside air reservoir.
- 2) Check the fastening condition of braking and steering system.
- 3) Check whether there are oil leakage, water leakage and air leakage or not.
- 4) Check whether the intake connections are reliable or not.
- 5) Check whether the pipe is loose to avoid dust inhalation or not.
- 6) The maintenance cycle of air filter element should be shortened when the vehicle is running under the condition of heavy dust.