

HAZARDOUS WASTE IDENTIFICATION GUIDE

ANNEX 4-3

CLASSIFICATION OF ELVS

The hazardous waste code 16 01 04* may be assigned to an end-of-life vehicle (ELV) if the assessment of its composition shows that at least one of the following conditions is met:

- hazardous liquids or hazardous parts have not been removed from the vehicle, i.e. at least some of the following components remain in the vehicle:
 - waste oils;
 - fuel, air and oil filters;
 - fuels, such as gasoline and diesel;
 - other liquids (anti-freeze agents, window fluid, etc.);
 - capacitors and filters containing PCBs or PCTs;
 - refrigerant from air conditioning systems,
 - batteries;
 - EV batteries;
 - mercury-containing components;
 - lead weights;
 - gas tanks for LNG;
 - potentially explosive components (air bags);
 - automotive catalysts;
- or
- vehicle has been compacted without prior removal of liquids or hazardous parts;
- or
- vehicle has been damaged so badly that is no longer suitable for minor repairs, and contain hazardous liquids or hazardous parts;
- or
- vehicle has badly damaged essential parts (e.g. engine not operational, gearbox irreversibly damaged, etc.), and contains hazardous liquids or hazardous parts¹.

The following waste may result from the ELV treatment:

List of waste code	Waste resulting from the ELV dismantling
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils
13 07 01*	diesel fuel
13 07 02*	petrol
13 07 03*	other fuels (including blends), e.g. biodiesel
16 01 03	end-of-life tyres
16 01 06	end-of-life vehicles, containing neither liquids nor other hazardous components
16 01 07*	oil filters
16 01 08*	components containing mercury (e.g. discharge lamps and instrument panel displays)
16 01 09*	components containing PCBs (e.g. capacitors containing PCBs/PCTs)
16 01 10*	explosive components (e.g. air bags)
16 01 11*	brake pads containing asbestos
16 01 12	brake pads other than those mentioned in 16 01 11
16 01 13*	brake fluids
16 01 14*	antifreeze fluids containing hazardous substances
16 01 15	antifreeze fluids other than those mentioned in 16 01 14
16 01 16	tanks for liquefied gas

¹ https://ec.europa.eu/environment/pdf/waste/shipments/correspondents_guidelines9_en.pdf.

List of waste code	Waste resulting from the ELV dismantling
16 01 17	ferrous metals (bodywork prepared for pressing/crushing, further processing)
16 01 18	non-ferrous metal
16 01 19	plastics
16 01 20	glass
16 01 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11, 16 01 13 to 16 01 14 and 16 01 23 to 16 01 25 (fuel filters, intake air filters for internal combustion engines)
16 01 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 25
16 01 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11, 16 01 13 to 16 01 14 and 16 01 23 to 16 01 25 (windscreen washer fluid, refrigerant)
16 01 22	components not otherwise specified (intake air filters for internal combustion engines, rubber waste, fabrics)
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	mercury-containing batteries
16 06 04	alkaline batteries for vehicles
16 06 05	other batteries and accumulators for vehicles

The ELV processing diagram is provided in Fig. 1².

² Source: EU Guidance

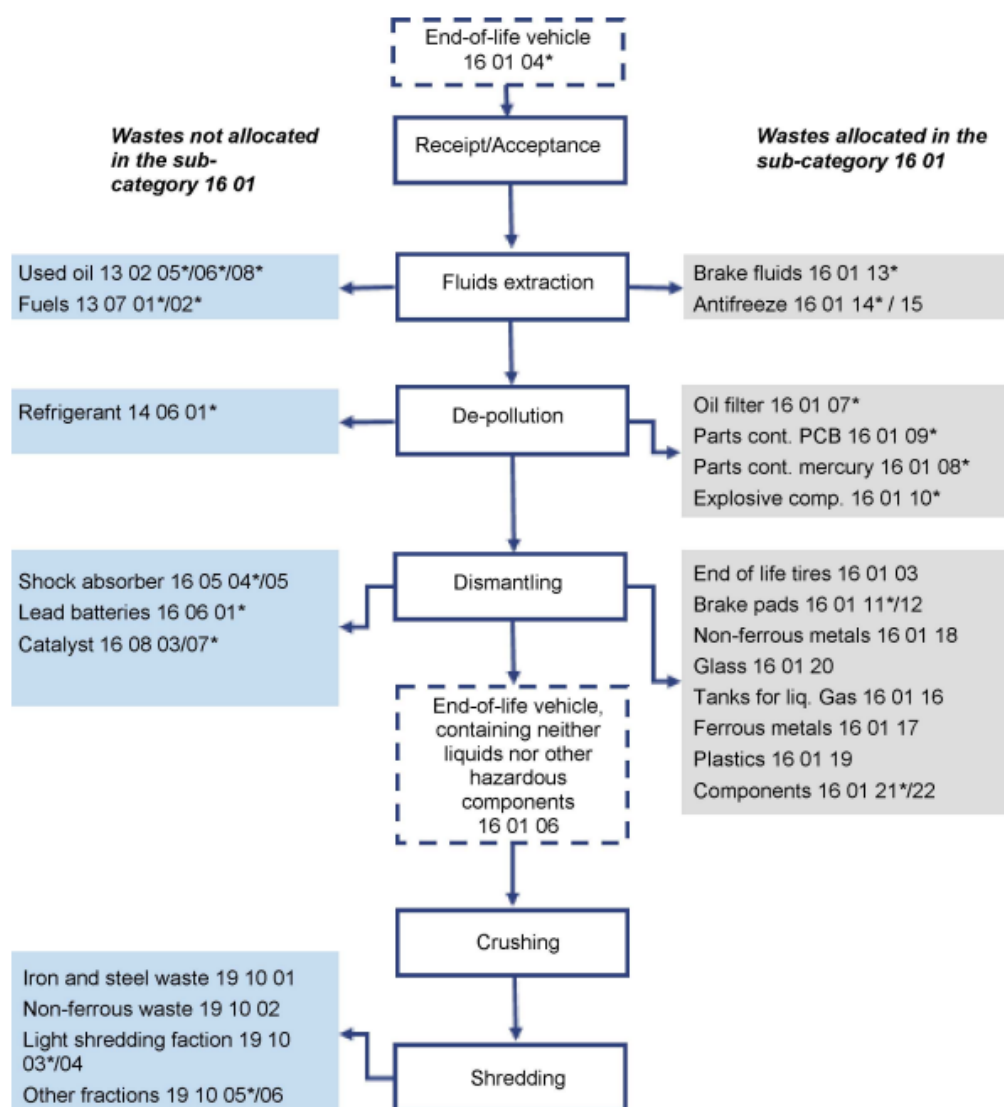


Fig. 1. List of waste entries related to the ELV management

As presented in Fig. 1, a treated and decontaminated vehicle with all liquids and components containing dangerous substances removed is granted the waste code 16 01 06.