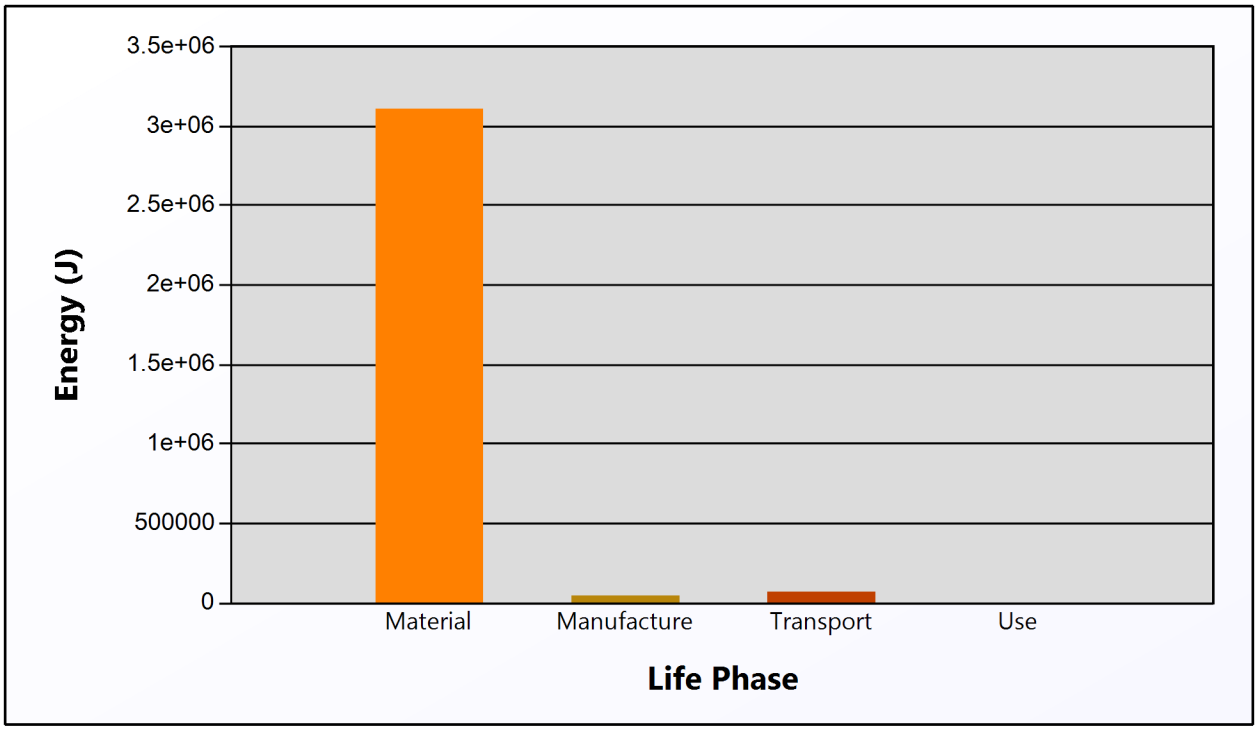
Eco Audit Report

Product Name	Aluminum Can
Product Life (years)	0
Includes Recycled Fraction?	No
Analysis:	Energy efficiency

Summary of Life Phases:

Detailed Breakdown



Phase	Energy (J)	Energy (%)
Material	3.1e+06	96.6
Manufacture	3.9e+04	1.2
Transport	7.1e+04	2.2
Use	0	0.0
Total	3.2e+06	100

Equivalent annual energy (averaged over 0 year product life): Infinity J

Detailed Breakdown of Individual Life Phases

Summary

Material:

Analysis includes recycled fraction? No

Component	Material	Primary Production Energy * (J/kg)	Mass (kg)	Energy (J)	%
Can	Non age-hardening wrought Al-alloys	2.1e+08	0.015	3.1e+06	100.0
Beverage		0	0.37	0	0.0
Total			**0.39**	**3.1e+06**	**100**

* When applicable, primary production values account for recycle fraction in supply

Manufacture:

Component	Process	Processing Energy (J/kg)	Mass (kg)	Energy (J)	%
Can	Forging, rolling	2.6e+06	0.015	3.9e+04	100.0
Beverage		0	0.37	0	0.0
Total			**0.39**	**3.9e+04**	**100**

Transport:

Breakdown by transport stage Total product mass = 0.39 kg

Stage Name	Transport Type	Transport Energy (J/kg.m)	Distance (m)	Energy (J)	%
Transport	32 tonne truck	0.46	4e+05	7.1e+04	100.0
Total			**4e+05**	**7.1e+04**	**100**

Breakdown by components Total transport distance = 4e+05 m

Component	Mass (kg)	Energy (J)	%
Can	0.015	2.8e+03	3.9
Beverage	0.37	6.8e+04	96.1
Total	**0.39**	**7.1e+04**	**100**

Use:

Static Mode

Energy Input and Output Type	Electric to mechanical
Energy Conversion Efficiency	0.28
CO2 Emission (kg/J)	4.6e-08
Power Rating (W)	1.2e+02
Usage (hours per day)	24
Usage (days per year)	2
Product Life (years)	0
Total Life Usage (hours)	**0**

Mobile Mode

Fuel and Mobility type	
Energy Consumption (J/kg.m)	0
CO2 Emission (kg/kg.m)	0
Product Mass (kg)	0.39
Distance (m per day)	0
Usage (days per year)	0
Product Life (years)	0
Total Life Distance (m)	**0**

Relative contribution of static and mobile modes

Mode	Energy (J)	%
Static	0	
Mobile	0	
Total	**0**	**100**

Breakdown of mobile mode by components

Component	Mass (kg)	Energy (J)	%
Can	0.015	0	
Beverage	0.37	0	
Total	**0.39**	**0**	**100**

Notes: