

Permit Reference Number: DP3430LX

Operator: ZF Automotive UK Ltd.

Installation: ZF Automotive UK Ltd., Pontypool

Form Number: E1

Reporting of Energy Usage for the year: 2021

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary Energy (MWh)	
Electricity *	2471 MWh	5931	984
Natural Gas	17743 m ³	15	3
Gas Oil	0 tonnes		
TOTAL	-	5945	987

Year	Trends in Energy Usage Parameter	
	Primary Energy usage	CO ₂ produced
2017	8843 MWh	1470 Tonnes
2018	8252 MWh	1371 Tonnes
2019	6933 MWh	1152 Tonnes
2020	6499 MWh	1079 Tonnes
2021	5945 MWh	987 Tonnes

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

Gas Conversion m³ = ((m³*29.31)/35)/1000000) MWh

The conversion factors used to calculate the Co₂ produced were taken from the sector guidance H2 section 3.1 and were 190 for natural Gas and 166 for electricity. ((MWh * Co₂ factor)/1000)

	Units	2016	2017	2018	2019	2020	2021
Zinc Plated	Pieces	1,715,021	1,283,653	911,033	817,591	643,606	350,589
Zinc Nickel	Pieces	3,638,330	4,099,560	4,210,039	4,205,077	3,460,852	3,363,011
Caliper Anodised	Pieces			391,298	643,658	691,180	1,324,387
Drum Anodised	Pieces	3,738,395	2,625,969	757,260	215,240	228,480	168,293
Electricity (Proce	Kwh/1000 parts	402.563	455.727	543.892	487.965	537.408	518.604
Gas (Processes)	M ³ /1000 parts	11.606	12.321	12.873	9.121	4.590	3.408



Signed:
(Authorised to sign as representative of ZF Automotive UK Ltd.)

Date: 27/01/22

Date of form: 05/12/2013