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RECORD OF CHANGES

Rev.	Date	Author	Description
0.0	19/09/18	OLA	Initial version

	GENERAL CHARACTERISTICS MANUAL	Code: GD388406-de	Rev: 0
		Date: 19/09/2018	Pg. 2 of 2
Title: PERDOC_GERMANY_SG 6.0-155 Brennbare Materialien			

1 ZWECK

Dieses Dokument stellt eine Schätzung des Brennwertes der brennbaren Materialien der Siemens Gamesa Renewable Energy SG 6.0-155 Windenergieanlagen dar.

2 GELTUNGSBEREICH

Geltungsbereich sind die WEA der SG 6.0-Plattform.

3 BESCHREIBUNG

Komponenten	Menge	Brennwert	Gesamtbrennwert
	kg oder L	MJ/kg oder MJ/L	GJ
Chemikalien / Öl / Schmierstoffe / Schmiermittel			
Windnachführungsgetriebe - Öl (L)	14	36	0,50
Blattlager - Hydrauliköl (L)	45	36	1,62
Schmiermittel – Windnachführung und Lagersystem (L)	8	39	0,31
Frostschutzmittel (50 %) (L)	400	9	3,6
Gondelverkleidung GRP (kg)	3.000	15-20	45
Schläuche			
Kühlung (kg)	65	45	2,93
Hydraulik (kg)	55	29	1,60
Kabel			
Gondel & Nabe (kg)	472	14	5,08
Turm (kg)	10 pro meter	14	17,15
Umrichter- und Transformatoreinheit			
PVC (kg)	0	17	0
Beschichtung (kg)	24	30	0,72
Polykarbonat (kg)	30,90	29	0,90
Sonstiges (synthetisches Material / Kunststoff) (kg)	15,45	30	0,46
Nabe			
Spinner, Glasfasermaterial (kg)	550	15-20	8,25
Lackierung			
Turm – oberer Bereich (kg)	300	30	9
Turm – mittlerer Bereich (kg) (3 St. Für HH122,5m)	900	30	27
Turm – unterer Bereich (kg)	275	30	8,25
Gondel (kg)	0	N.A.	0
Rotorblätter			
Epoxidharz (kg)	5.000	33	0,17
Glasfasermaterial (kg)	10.000	0	0
Beschichtung (kg)	300	30	9
Gesamtbrennwert (GJ)			200,65