

Table 3.11 – Downtime data: Milling 01 Extraction

<i>MILLING 01 EXTRACTION</i>							
<i>Operation / Equipment</i>	<i>Failure Type</i>	<i>Reason for stop</i>	<i>Failure Date</i>	<i>Start Time</i>	<i>Time to Next Failure (h)</i>	<i>Time to Repair (h)</i>	
Milling 01	failure engineering design	Upper desaguador roller coupling is designed to 420 Nm while the set is for 494.48 Nm	1-Jul	02:19	26,32	1,33	
Milling 01	failure engineering design	Upper desaguador roller coupling is designed to 420 Nm while the set is for 494.48 Nm	1-Jul	15:35	11,93	0,08	
Milling 01	failure engineering design	Upper desaguador roller coupling is designed to 420 Nm while the set is for 494.48 Nm	3-Jul	05:44	38,07	0,17	
Milling 01	failure engineering design	Upper desaguador roller coupling is designed to 420 Nm while the set is for 494.48 Nm	3-Jul	06:20	0,43	0,50	
Milling 01	failure engineering design	Upper desaguador roller coupling is designed to 420 Nm while the set is for 494.48 Nm	3-Jul	07:36	0,77	0,75	
Milling 01	failure engineering design	Upper desaguador roller coupling is designed to 420 Nm while the set is for 494.48 Nm	7-Jul	10:31	98,17	0,23	
Milling 01	failure engineering design	Logic insertion into an instrument of reference only (no calibration required).	8-Jul	03:20	16,58	0,55	
Milling 01	failure engineering design	Logic insertion into an instrument of reference only (no calibration required).	8-Jul	04:00	0,12	0,23	
Milling 01		Logic insertion into an instrument of reference only (no calibration required).	9-Jul	04:00	14,77	2,00	
Milling 01	Automation Fails	Failure donnelly probes.	9-Jul	10:14	4,23	0,53	
Milling 01	failure engineering design	Upper desaguador roller coupling is designed to 420 Nm while the set is for 494.48 Nm	14-Jul	22:07	131,35	0,05	
Milling 01	Operational failure	Pressing screens skated.	15-Jul	13:15	15,08	0,33	
Milling 01	Automation Fails	Disarm lubrication pump.	20-Jul	14:19	120,73	0,03	
Milling 01	failure engineering design	Low temperature line 33, live steam turbines in operation when it fell.	23-Jul	12:03	69,70	0,45	
Milling 01	failure engineering design	Uncoupled roll milling.	24-Jul	05:11	16,23	0,15	
Milling 01	failure engineering design	Upper desaguador roller coupling is designed to 420 Nm while the set is for 494.48 Nm	24-Jul	20:48	15,47	0,67	
Milling 01	Operational failure	Uncoupled roll milling.	29-Jul	22:00	120,53	0,20	
Milling 01	Failure engineering design	Uncoupled roll milling.	10-Aug	15:21	281,15	0,07	
Milling 01	Failure engineering design	Uncoupled roll milling.	10-Aug	15:52	0,45	0,30	
Milling 01	Automation Fails	Roll top engine turned off.	11-Aug	19:59	27,82	0,05	
Milling 01	Failure engineering design	Pump lubrication roll top hung.	14-Aug	23:31	75,48	0,17	
Milling 01	Electrical failure	High temperature of the intake steam due to the Desuper disarm.	17-Oct	03:23	1515,87	1,97	
Milling 01	Automation Fails	High temperature of the intake steam due to the Desuper disarm.	28-Oct	14:15	272,90	0,25	

Source: The authors, (2016).