

Customer	Location	pcs	Scope of work	Description	Delivery Time Month	Year
Metsä Fibre Oy	Rauma / Finland	7	DD4060, Sealing surface repairs, thermal coatings, Seals, Annual service	Service Contract 2018-2020	10	2018
Metsä Fibre Oy	Kemi / Finland	2	DD4570, DD3060, Sealing surface repairs, thermal coatings, Seals, Annual service	Service Contract 2018-2020	9	2018
UPM Kaukas	Lappeenranta / Finland	4	Sealing surface repair	Coating	4	2018
Resolute Forest Products	Coosa Pines / USA	2	DD4570, Inspection of DD- Washer	Inspection during operation	3	2018
Anhui Huatai Forest Pulp	Anqing / China	2	DD3040, Sealing surface repair, thermal coating	Coating, Service	2	2018
Chenming Pulp and Paper	Zhanjiang / China	1	DD-Washer 4060	Hybrid Sealing supply	1	2018
Metsä Fibre Oy	Rauma / Finland	1	Change of screen plates on DD4060	Service	10	2017
Metsä Fibre Oy	Kemi / Finland	1	DD4570 Seal change, sealing surface repair, thermal coating	Hybrid Seals, Seal change, Coating, Service	9	2017
Metsä Fibre Oy	Kemi / Finland	1	DD4570 Seal change, sealing surface repair, thermal coating	Hybrid Seals, Seal change, Coating, Service	9	2017
Australian Paper	Maryvale / Australia	1	Repair of EOP -washer sealing surfaces by thermal coating	Hybrid Seals, Seal change, Coating, Service	7	2017
Mondi Group	Sytkytkar / Russia	1	Replacement of end sealings and services	Hybrid Seals, Seal change	6	2017
Stora Enso Sunila	Sunila / Finland	1	DD4040 Seal replacement	Hybrid Seal supply, Service	4	2017
Stora Enso Sunila	Sunila / Finland	1	Annual Service for DDW 4040 and 4060	Service for Marathon drive, Condition check	4	2017
Australian Paper	Maryvale / Australia	4	Inspection of DD-Washers	Inspection during operation	4	2017
Stora Enso Kaukopää	Imatra / Finland	2	DD-Washer 4560 , Sealing installation work	Supply of Rubber profiles , Service	4	2017
Australian Paper	Maryvale	1	DD-Washer 3060	Hybrid Sealing supply	3	2017
UPM Kymmene Oyj	Kaukas / Finland	4	Repair of DD-washer sealing surface (4 pcs.) by thermal coating	Coating	9	2016
Metsä Fibre Oy	Kemi / Finland	1	DD4570 Seal change, sealing surface repair, thermal coating and final grinding and service	Hybrid Seals, Seal change, Coating, Service	9	2016
Torraspapel Montañanesa	Spain	1	Sealing removal and installation work, DD 3040, 3 Sealing surfaces, thermal coating and final grinding and service	Sealing changes, Coating and Service	6	2016
Mondi Group	Sytkytkar Russia	2	Repair of 8 sealing surfaces for DD 4580, 3060, thermal coating, final grinding. Replacement of end sealings, screen plates repair and services	Extended Service	5	2016
GP Brunswick	Jacksonville, USA	2	Repair of 2 pc of DD 4580 sealing surfaces, thermal coating, final grinding. Replacement of Hydraulic pump, end clips, end sealings, shaft repair and	Sealing changes, Coating, Bearing repair and service	4	2016
Stora Enso Oyj, Sunilan tehdas	Sunila / Finland	1	DD4060 Seal replacement	Service	4	2016
SCA Munksund	Sweden	1	Inspection during operations	Service	11	2015
Empower Oy	Sunila / Finland	1	DD-washer 1 sealing changes and services	Sealing changes and service	10	2015
Stora Enso Sunila	Sunila / Finland	2	DD4060-washer services	Service	10	2015

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Stora Enso Sunila	Sunila / Finland	1	DD4060 Seal replacement	Hybrid Seal supply, Service	10	2015
Stora Enso Sunila	Sunila / Finland	4	DD4060 Hydraulic motor MB 800 replacement work	Hydraulics Service	10	2015
Stora Enso Sunila	Sunila / Finland	1	DD4060 DD washer shaft repair. Bearing FAG23996	Shaft repair	10	2015
Stora Enso Sunila	Sunila / Finland	1	DD4060 New bearing housing for FAG23996-bearing	Bearing house	10	2015
Stora Enso Sunila	Sunila / Finland	3	DD4060 Bearing replacement work FAG 23996	Bearing replacement	10	2015
Metsä Fibre Oy	Kemi / Finland	1	DD4570 Seal Replacement and DD washer service	Service	9	2015
Metsä Fibre Oy	Kemi / Finland	1	DD3070 (Plane gasket) Thermal coating of the sealing faces (2pcs) and seal replacement works	Installation and coating	9	2015
UPM Kymmene Oyj	Pietarsaari / Finland	1	DD-washer Hydraulic motor MB 1600 replacement work	Service	9	2015
UPM Kymmene Oyj	Pietarsaari / Finland	1	DD4570 Bearing replacement FAG 248 (DS and TS) Hydraulic motor MB 800, MB2400 (DS and TS) Replacement works	Service	9	2015
UPM Kymmene Oyj	Pietarsaari / Finland	1	DD4570 Seal Replacement and DD washer service	Service	9	2015
UPM Kymmene Oyj	Pietarsaari / Finland	2	DD4570 Thermal coating of the sealing faces	Service	9	2015
Torraspapel Montañanesa	Montañana / Spain	1	Sealings and installation work	Parts and Service	9	2015
Huatai Forest	Anqing / China	2	Repair of 8 pc sealing surfaces of DD washer 3040 Thermal coating. Grinding work. Seal replacement and services	Service	8	2015
Torraspapel Montañanesa	Montañana / Spain	1	Sealings and installation work	Service	6	2015
JK Paper Ltd	India	11	Sealings	Parts	5	2015
Papelera Guipuzcoana de Zicuñaga	Spain	8	Sealings and installation work	Service	5	2015
UPM Kymmene Oyj	Kaukas / Finland	1	DD1-washer service	Service	4	2015
UPM Kymmene Oyj	Kaukas / Finland	4	DD2-washer seal replacement and coatings	Hybrid Seal supply, Service and coating	4	2015
UPM Kymmene Oyj	Kaukas / Finland	4	Thermal coating of the sealing faces	Service and coating	4	2015
UPM Kymmene Oyj	Kaukas / Finland	2	Modernizing the DD4570-washer filtration collection chambers	Service	4	2015
UPM Kaukas	Kaukas / Finland	5	DD-washers 4570, 4570, 4060, 4040 and 4060	Service	4	2015
Mondi Group	Väja / Sweden	1	DD-washer service 4570	Standard Service	4	2015
Fibria Aracruz	Brazil	5	Sealings and installation work	Service	3	2015
Papelera Guipuzcoana de Zicuñaga	Spain	1	Installation	Service	2	2015
Fibria Aracruz	Brazil	6	Sealings and installation work	Service	12	2014

DD-Washer Service

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Assignments in Total: 83

Customer	Location	pcs	Scope of work	Description	Delivery Time Month	Year
Metsä Fibre Oy	Kemi / Finland	2	DD-washer service 4560, 3060	Service	9	2014
Papelera Guipuzcoana de Zicuñaga	Spain	8	Sealing and installation work	Service	8	2014
Metsä Fibre Oy	Joutseno / Finland	2	DD-washer service 4570	Ribs repairing	6	2014
Metsä Fibre Oy	Joutseno / Finland	5	DD-washer service 4570	Service	6	2014
Metsä Fibre Oy	Joutseno / Finland	8	Sealing surface repairing 4570	Coating	6	2014
Stora Enso Sunila	Joutseno / Finland	1	DD-washer bearing replacement	Coating	6	2014
Stora Enso Sunila	Sunila / Finland	10	Sealing surface repairing 4060	Coating	6	2014
Stora Enso Sunila	Sunila / Finland	3	DD-Washer 4060, Sealing installation work and sealings	Sealings and Service	6	2014
Torraspapel Montananesa	Spain	1	Installation work	Service	6	2014
Chenming Zhanjiang	China	8	Sealings and installation work	Spare parts/service	5	2014
Tiger Group Hunan	China	6	Sealings and installation work	Spare parts/service	5	2014
Stora Enso Kaukopää	Imatra / Finland	1	DD-Washer 4560 , Sealing installation work	Service	4	2014
Stora Enso Oy Kaukopää	Imatra / Finland	2	Inspection and service	Service	4	2014
UPM Kaukas	Lappeenranta / Finland	4	Sealing surface repairing	Coating	3	2014
UPM Kaukas	Lappeenranta / Finland	2	Sealing installation work	Service	3	2014
Torraspapel Montananesa	Spain	6	Selaings and installation work	Spare parts / service	2	2014
Metsä Fibre Oy	Rauma / Finland	1	Sealings and installation work	Service	12	2013
Metsä Fibre Oy	Rauma / Finland	1	DD-washer Bearing installation	Service	12	2013
Metsä Fibre Oy	Kemi / Finland	1	DD-Washer 4560	Service and coating	9	2013
Papel Guipuzcoana de Zicuñaga	Hernani / Spain	1	DD-Washer coating of sealing surface 1pc. DD4060	Urgent unplanned repair arranged in less than 24h	8	2013
Metsä Fibre Oy	Rauma / Finland	2	DD-washer coating of sealing surfaces 2pcs. DD4060	Service and coating	6	2013
Oy Botnia Mill Service Ab, Rauma	Rauma / Finland	5	DD-washer service adjustment of the end sealings. DD4060	Service and coating	6	2013
Stora Enso Sunila	Sunila / Finland	1	DD-washers ribs repairing DD 4060. coating of sealing surfaces 2pcs	Service	10	2012
UPM Kymmene Oyj	Kaukas / Finland	1	Coating of DD-washer	Coating	9	2012
Mondi Group	Swiecie / Poland	1	DD-washer repair of bars and sealing surfaces, D=4060	Extended Service	7	2012

DD-Washer Service**August 2018
REFERENCE LIST****Assignments in Total: 83**

Customer	Location	pcs	Scope of work	Description	Delivery Time Month	Year
UPM Kymmene Oyj	Kaukas / Finland	1	DD-washer Coating of sealing surface	Coating	9	2011
Andritz Oy	Örnsköldsvik / Sweden	1	DD-washer	Service	5	2011
Mondi Group	Swiecie / Poland	1	DD-washer repair of bars and sealing surfaces, DD 4060	Extended Service	8	2010
UPM Kaukas	Kaukas / Finland	1	DD-washer UPM-Kaukas	Service	1	2010
UPM Kaukas	Kaukas / Finland	1	DD-Washer 4040	Coating	6	2009
Andritz Oy	Piteå / Sweden	3	DD-Washer 4040	Service	5	2009