	60,000 psi vs. 94,000 psi Pump Operating Costs																
	391124-1-15 IDE™ EP	Advantage 50 HP IDE™ III (0.014 Orifice)				Advantage EP® 50 HP IDE™ EP (0.010 Orifice)				Advantage 100 HP IDE™ III (0.018 Orifice)				Advantage EP 100 HP IDE™ EP (0.015 Orifice)			
	IDE™ III & IDE™ EP Cutting Heads																
	ADVANTAGE Series Operating Cost Estimate Worksheet <sup>1</sup>	Cost Each	Quantity	60,000 Consumption Rate per Hour <sup>2</sup>	D psi Cost per Hour	Cost Each	Quantity	94,000 Consumption Rate per Hour <sup>2</sup>	0 psi Cost per Hour	Cost Each	Quantity	60,000 Consumption Rate per Hour <sup>2</sup>	Cost per Hour	Cost Each	Quantity	94,000 Consumption Rate per Hour <sup>2,5</sup>	psi <sup>Cost per</sup> Hour
t	Utilities (@ full capacity)																
Cost	Power	\$0.080	KWH	37.5	\$3.00	\$0.080	KWH	37.5	\$3.00	\$0.080	KWH	75	\$6.00	\$0.080	KWH	75	\$6.00
e C	Cutting Water	\$0.002	GPH	37.5	\$0.08	\$0.002	GPH	37.5	\$0.08	\$0.002	GPH	120	\$0.24	\$0.0020	GPH	84	\$0.17
q	Cooling Water	\$0.002	GPH	180	\$0.36	\$0.002	GPH	180	\$0.36	\$0.002	GPH	240	\$0.48	\$0.0020	GPH	240	\$0.48
Variabl	Abrasive Cost <sup>3</sup>		1.50		<b>A</b> 10 00	<b>6 6 1</b>					1.0.0				1.00		A 1
Š	Abrasive - Cost/lb & Consumption Rate/min.	\$0.21	LBS	1.00	\$12.60	\$0.21		0.75	\$9.45	\$0.21	LBS	1.50	\$18.90	\$0.21	LBS	1.25	\$15.75 \$22.40
	Utility and Abrasive Cost per Hour	\$16.04			\$12.89			\$25.62				\$22.40					
	ļ	Cost Each	Quantity	Average Life in Hours	Cost per Hour	Cost Each	Quantity	Average Life in Hours		Cost Each	Quantity	Average Life in Hours	Cost per Hour	Cost Each	Quantity	Average Life in Hours	Cost per Hour
t	Advantage Pump (Major Wear Parts)																
	Auvantage Famp (major Wear Farto)																
S	High Pressure Seals	\$120.00	2	600	\$0.40	\$320.00	2	500	\$1.28	\$120.00	4	600	\$0.80	\$320.00	4	500	\$2.56
s Cost	High Pressure Seals High Pressure Cylinders	\$675.00	2	3,000	\$0.45	\$650.00	2	2,500	\$0.52	\$675.00	4	3,000	\$0.90	\$650.00	4	2,500	\$1.04
es	High Pressure Seals High Pressure Cylinders Ceramic Plungers	\$675.00 \$950.00	2 2	3,000 4,000	\$0.45 \$0.48	\$650.00 \$950.00	2 2	2,500 3,000	\$0.52 \$0.63	\$675.00 \$950.00	4 4	3,000 4,000	\$0.90 \$0.95	\$650.00 \$950.00	4	2,500 3,000	\$1.04 \$1.27
es	High Pressure Seals High Pressure Cylinders Ceramic Plungers Check Valve Internals	\$675.00 \$950.00 \$145.00	2 2 2	3,000 4,000 1,000	\$0.45 \$0.48 \$0.29	\$650.00 \$950.00 \$155.00	2 2 2	2,500 3,000 1,200	\$0.52 \$0.63 \$0.26	\$675.00 \$950.00 \$145.00	4	3,000 4,000 1,000	\$0.90 \$0.95 \$0.58	\$650.00 \$950.00 \$155.00		2,500 3,000 1,200	\$1.04 \$1.27 \$0.52
es	High Pressure Seals High Pressure Cylinders Ceramic Plungers Check Valve Internals Check Valve Body	\$675.00 \$950.00	2 2	3,000 4,000	\$0.45 \$0.48 \$0.29 \$0.24	\$650.00 \$950.00	2 2	2,500 3,000	\$0.52 \$0.63	\$675.00 \$950.00	4 4 4	3,000 4,000	\$0.90 \$0.95 \$0.58 \$0.49	\$650.00 \$950.00	4 4	2,500 3,000	\$1.04 \$1.27 \$0.52 \$0.60
S	High Pressure Seals High Pressure Cylinders Ceramic Plungers Check Valve Internals Check Valve Body Advantage Pump Cost per Hour	\$675.00 \$950.00 \$145.00	2 2 2	3,000 4,000 1,000	\$0.45 \$0.48 \$0.29	\$650.00 \$950.00 \$155.00	2 2 2	2,500 3,000 1,200	\$0.52 \$0.63 \$0.26 \$0.30	\$675.00 \$950.00 \$145.00	4 4 4	3,000 4,000 1,000	\$0.90 \$0.95 \$0.58	\$650.00 \$950.00 \$155.00	4 4	2,500 3,000 1,200	\$1.04 \$1.27 \$0.52
onsumables	High Pressure Seals High Pressure Cylinders Ceramic Plungers Check Valve Internals Check Valve Body Advantage Pump Cost per Hour IDE™ Series Cutting Head(s)	\$675.00 \$950.00 \$145.00 \$305.00	2 2 2	3,000 4,000 1,000 2,500	\$0.45 \$0.48 \$0.29 \$0.24 <b>\$1.86</b>	\$650.00 \$950.00 \$155.00 \$360.00	2 2 2	2,500 3,000 1,200 2,400	\$0.52 \$0.63 \$0.26 \$0.30 <b>\$2.99</b>	\$675.00 \$950.00 \$145.00 \$305.00	4 4 4	3,000 4,000 1,000 2,500	\$0.90 \$0.95 \$0.58 \$0.49 <b>\$3.72</b>	\$650.00 \$950.00 \$155.00 \$360.00	4 4	2,500 3,000 1,200 2,400	\$1.04 \$1.27 \$0.52 \$0.60 <b>\$5.98</b>
Consumables	High Pressure Seals High Pressure Cylinders Ceramic Plungers Check Valve Internals Check Valve Body Advantage Pump Cost per Hour	\$675.00 \$950.00 \$145.00 \$305.00 \$90.00	2 2 2 2	3,000 4,000 1,000	\$0.45 \$0.48 \$0.29 \$0.24	\$650.00 \$950.00 \$155.00	2 2 2	2,500 3,000 1,200	\$0.52 \$0.63 \$0.26 \$0.30	\$675.00 \$950.00 \$145.00	4 4 4	3,000 4,000 1,000	\$0.90 \$0.95 \$0.58 \$0.49	\$650.00 \$950.00 \$155.00	4 4	2,500 3,000 1,200	\$1.04 \$1.27 \$0.52 \$0.60
Jet Consumables	High Pressure Seals High Pressure Cylinders Ceramic Plungers Check Valve Internals Check Valve Body Advantage Pump Cost per Hour IDE™ Series Cutting Head(s) Mixing Tube IDE™ Assembly On/Off Valve Repair Kit	\$675.00 \$950.00 \$145.00 \$305.00	2 2 2 2	3,000 4,000 1,000 2,500	\$0.45 \$0.48 \$0.29 \$0.24 <b>\$1.86</b> \$0.90 \$0.90 \$0.77 \$0.15	\$650.00 \$950.00 \$155.00 \$360.00 \$200.00	2 2 2	2,500 3,000 1,200 2,400 80	\$0.52 \$0.63 \$0.26 \$0.30 <b>\$2.99</b> \$2.50 \$1.22 \$0.50	\$675.00 \$950.00 \$145.00 \$305.00 \$90.00	4 4 4	3,000 4,000 1,000 2,500	\$0.90 \$0.95 \$0.58 \$0.49 <b>\$3.72</b> \$0.90 \$0.77 \$0.15	\$650.00 \$950.00 \$155.00 \$360.00 \$200.00	4 4	2,500 3,000 1,200 2,400 80	\$1.04 \$1.27 \$0.52 \$0.60 <b>\$5.98</b> \$2.50 \$1.22 \$0.50
Jet Consumables	High Pressure Seals High Pressure Cylinders Ceramic Plungers Check Valve Internals Check Valve Body Advantage Pump Cost per Hour IDE™ Series Cutting Head(s) Mixing Tube IDE™ Assembly	\$675.00 \$950.00 \$145.00 \$305.00 \$90.00 \$765.00	2 2 2 2	3,000 4,000 1,000 2,500 100 1,000	\$0.45 \$0.48 \$0.29 \$0.24 <b>\$1.86</b> \$0.90 \$0.77	\$650.00 \$950.00 \$155.00 \$360.00 \$200.00 \$975.00	2 2 2	2,500 3,000 1,200 2,400 800 800	\$0.52 \$0.63 \$0.26 \$0.30 <b>\$2.99</b> \$2.50 \$1.22	\$675.00 \$950.00 \$145.00 \$305.00 \$90.00 \$765.00	4 4 4	3,000 4,000 1,000 2,500 100 1,000	\$0.90 \$0.95 \$0.58 \$0.49 <b>\$3.72</b> \$0.90 \$0.77	\$650.00 \$950.00 \$155.00 \$360.00 \$200.00 \$975.00	4 4	2,500 3,000 1,200 2,400 80 80	\$1.04 \$1.27 \$0.52 \$0.60 <b>\$5.98</b> \$2.50 \$1.22
Consumables	High Pressure Seals High Pressure Cylinders Ceramic Plungers Check Valve Internals Check Valve Body Advantage Pump Cost per Hour IDE™ Series Cutting Head(s) Mixing Tube IDE™ Assembly On/Off Valve Repair Kit Cutting Head Cost per Hour	\$675.00 \$950.00 \$145.00 \$305.00 \$90.00 \$765.00	2 2 2 2	3,000 4,000 1,000 2,500 100 1,000	\$0.45 \$0.48 \$0.29 \$0.24 <b>\$1.86</b> \$0.90 \$0.90 \$0.77 \$0.15	\$650.00 \$950.00 \$155.00 \$360.00 \$200.00 \$975.00	2 2 2	2,500 3,000 1,200 2,400 800 800	\$0.52 \$0.63 \$0.26 \$0.30 <b>\$2.99</b> \$2.50 \$1.22 \$0.50	\$675.00 \$950.00 \$145.00 \$305.00 \$90.00 \$765.00	4 4 4	3,000 4,000 1,000 2,500 100 1,000	\$0.90 \$0.95 \$0.58 \$0.49 <b>\$3.72</b> \$0.90 \$0.77 \$0.15	\$650.00 \$950.00 \$155.00 \$360.00 \$200.00 \$975.00	4 4	2,500 3,000 1,200 2,400 80 80	\$1.04 \$1.27 \$0.52 \$0.60 <b>\$5.98</b> \$2.50 \$1.22 \$0.50 <b>\$4.22</b>
Jet Consumables	High Pressure Seals High Pressure Cylinders Ceramic Plungers Check Valve Internals Check Valve Body Advantage Pump Cost per Hour IDE™ Series Cutting Head(s) Mixing Tube IDE™ Assembly On/Off Valve Repair Kit	\$675.00 \$950.00 \$145.00 \$305.00 \$90.00 \$765.00	2 2 2 2	3,000 4,000 1,000 2,500 100 1,000	\$0.45 \$0.48 \$0.29 \$0.24 <b>\$1.86</b> \$0.90 \$0.77 \$0.15 <b>\$1.82</b>	\$650.00 \$950.00 \$155.00 \$360.00 \$200.00 \$975.00	2 2 2	2,500 3,000 1,200 2,400 800 800	\$0.52 \$0.63 \$0.26 \$0.30 <b>\$2.99</b> \$2.50 \$1.22 \$0.50 <b>\$4.22</b>	\$675.00 \$950.00 \$145.00 \$305.00 \$90.00 \$765.00	4 4 4	3,000 4,000 1,000 2,500 100 1,000	\$0.90 \$0.95 \$0.58 \$0.49 <b>\$3.72</b> \$0.90 \$0.90 \$0.77 \$0.15 <b>\$1.82</b>	\$650.00 \$950.00 \$155.00 \$360.00 \$200.00 \$975.00	4 4	2,500 3,000 1,200 2,400 80 80	\$1.04 \$1.27 \$0.52 \$0.60 <b>\$5.98</b> \$2.50 \$1.22 \$0.50

1 The H2O Jet Consumable Cost Estimate work sheet has been broken down into two categories: Water Only Cutting and Abrasive Waterjet Cutting.

2 H2O Jet manufactures pumps and consumable parts that are tested at the highest standards. All parts are subject to normal wear and tear.

Maximum use of parts is based on correct installation and positioning, reasonable care, including routine preventative maintenance.

3 The price of abrasive estimates may be different depending on abrasive type and grade. 4 Combined cost including Variable cost and Consumable cost.

5 Optimum abrasive concentration. Decrease in abrasive volume will lower operating costs and reduce cutting speeds.

800-991-4225

H2O Jet 94K Advantage EP Pump Operating Costs.xls