

STSC 50-45

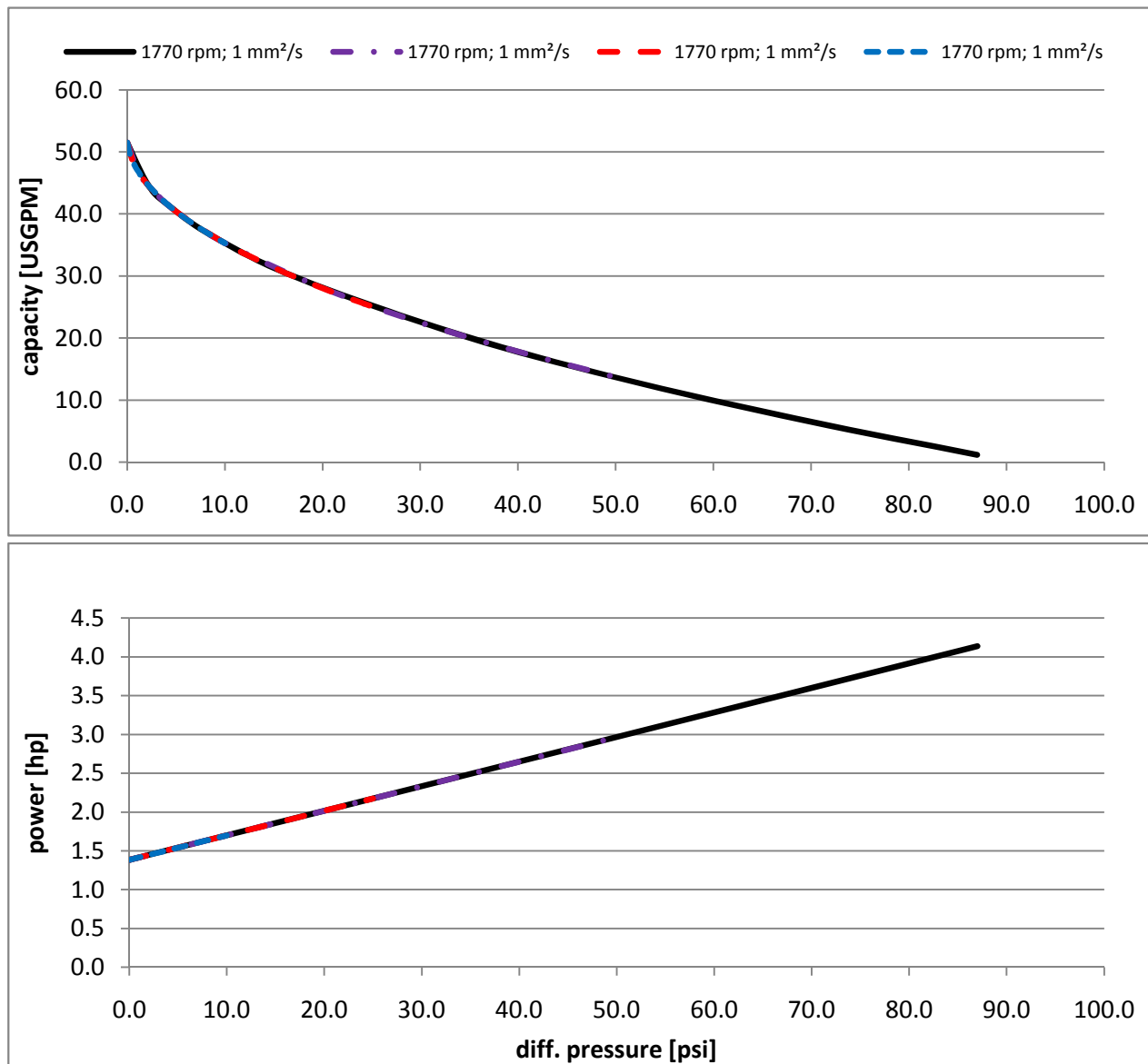
CLIENT:
LOCATION:
ENQUIRY NO: Various Products
PROJECT TITLE:
MEDIUM: Viscosity of 1 cSt
TAG NO(S).:
QUOTATION/ORDER NO.:

	I	II	II	IV	V	VI
speed [rpm]	1770	1770	1770	1770		
diff. pressure [psi]	87	50	25	10		
kinem. viscosity [mm ² /s]	1	1	1	1		
capacity [USGPM]	1.2	13.7	25.1	35.3		
power [hp]	4.1	3.0	2.2	1.7		
operating torque [lbf*ft]	12.3	8.8	6.5	5.0		
total efficiency [%]	1.5	13.5	16.9	12.1		
mech./hydr. efficiency [%]	66.5	53.3	36.4	18.6		
volumetric efficiency [%]	2.2	25.2	46.4	65.1		
NPSHr [ft]	3.33	3.33	3.33	3.33		
noise level [dB(A)]	69.4	69.0	68.6	68.2		
max. diff. pressure [psi]	87.0	87.0	87.0	87.0		
max. speed [rpm]	4000	4000	4000	4000		

made by: George W. Doan
date: 6/8/2011
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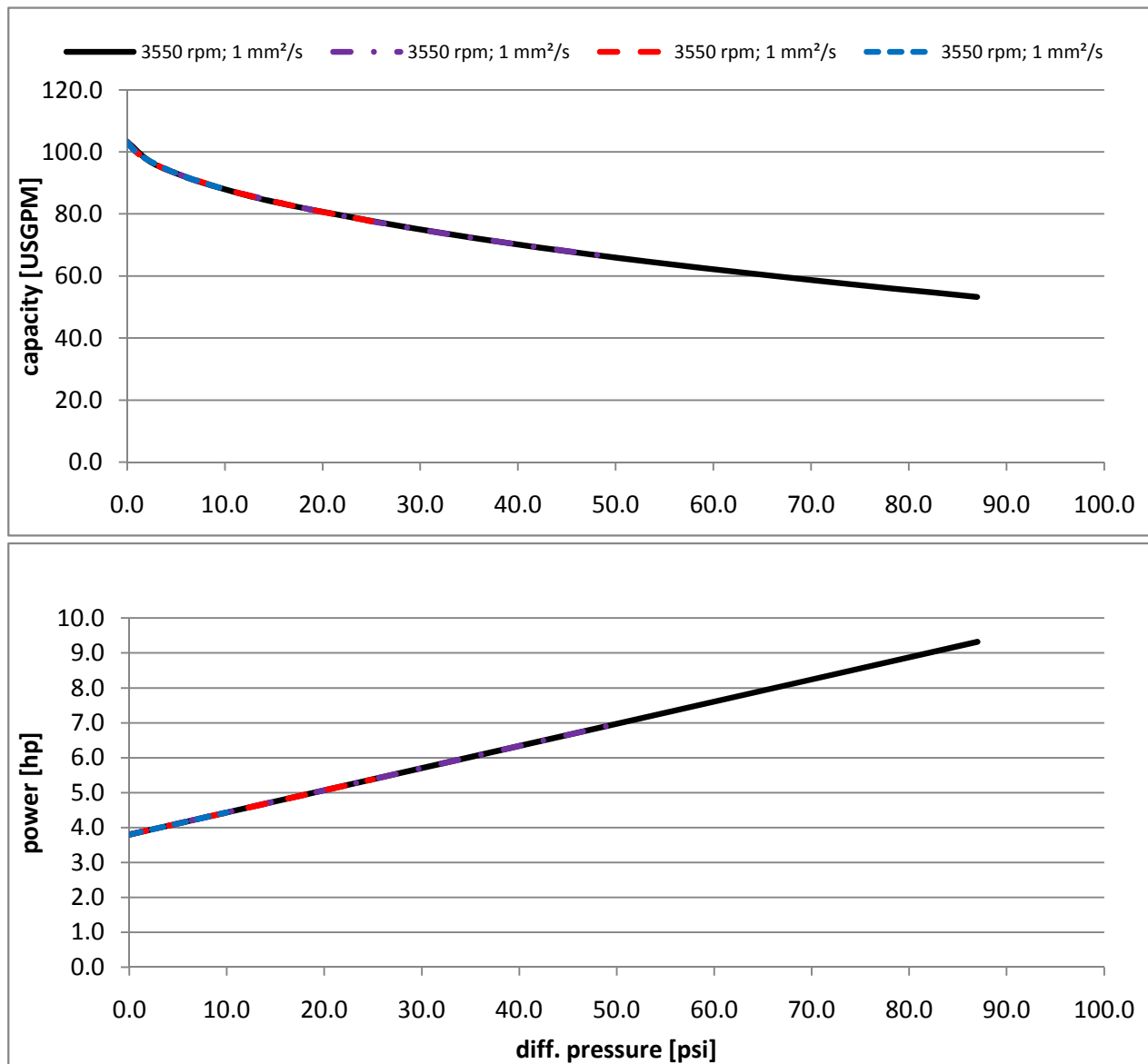
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LOCATION:
ENQUIRY NO: Various Products
PROJECT TITLE:
MEDIUM: Viscosity of 1 cSt
TAG NO(S).:
QUOTATION/ORDER NO.:

	I	II	II	IV	V	VI
speed [rpm]	3550	3550	3550	3550		
diff. pressure [psi]	87	50	25	10		
kinem. viscosity [mm ² /s]	1	1	1	1		
capacity [USGPM]	53.3	66.0	77.7	88.0		
power [hp]	9.3	7.0	5.4	4.4		
operating torque [lbf*ft]	13.8	10.3	8.0	6.6		
total efficiency [%]	29.0	27.6	21.0	11.6		
mech./hydr. efficiency [%]	59.2	45.5	29.5	14.3		
volumetric efficiency [%]	49.0	60.7	71.4	80.9		
NPSHr [ft]	7.54	7.54	7.54	7.54		
noise level [dB(A)]	73.6	73.2	72.8	72.4		
max. diff. pressure [psi]	87.0	87.0	87.0	87.0		
max. speed [rpm]	4000	4000	4000	4000		

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CLIENT: Various Products
LOCATION:
ENQUIRY NO: Viscosity of 1 cSt
PROJECT TITLE: with a 3,550 Rpm Motor
MEDIUM:
TAG NO(S):
QUOTATION/ORDER NO.:



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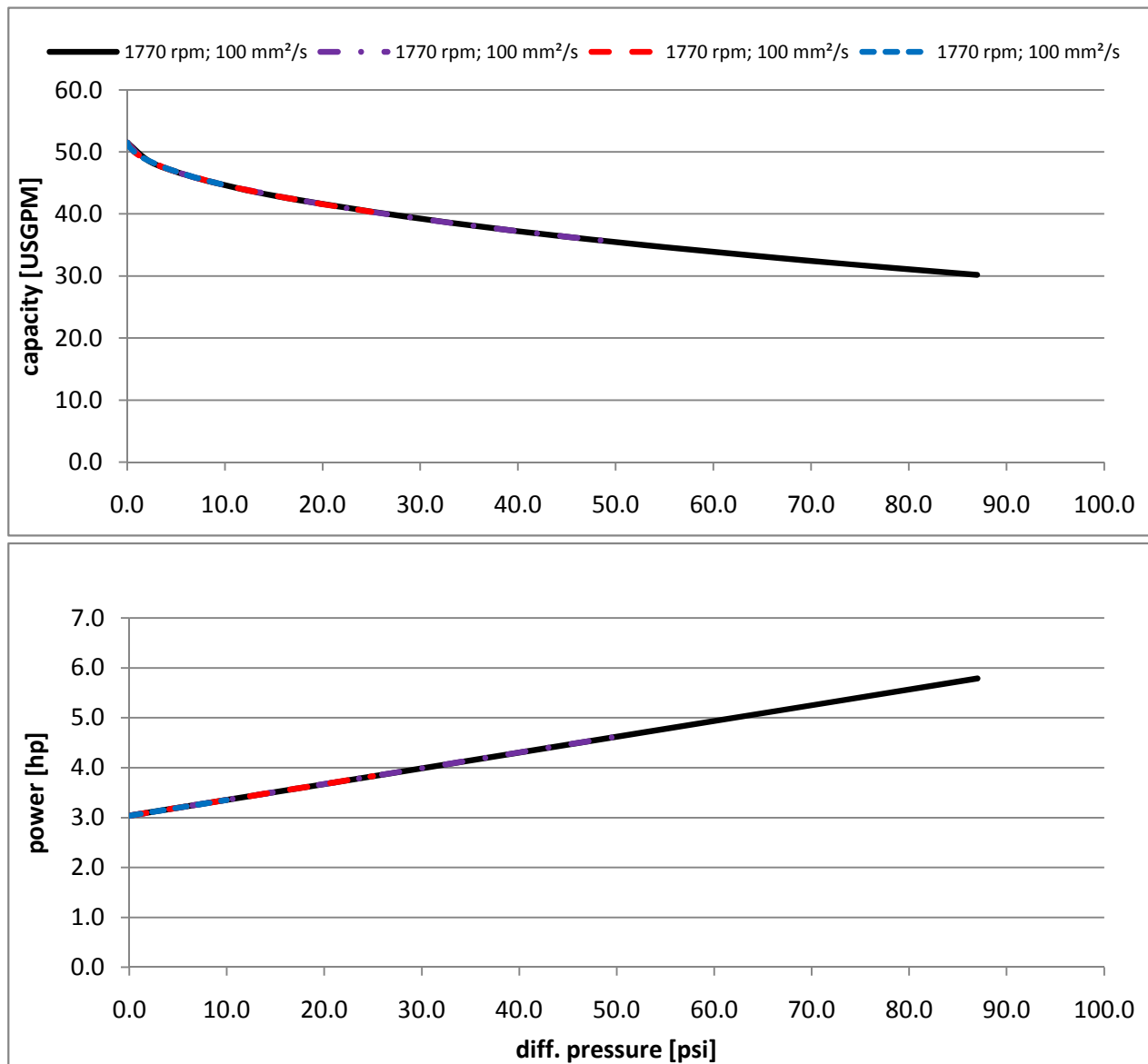
CLIENT:
LOCATION:
ENQUIRY NO: Various Products
PROJECT TITLE:
MEDIUM: Viscosity of 100 cSt
TAG NO(S).:
QUOTATION/ORDER NO.:

	I	II	II	IV	V	VI
speed [rpm]	1770	1770	1770	1770		
diff. pressure [psi]	87	50	25	10		
kinem. viscosity [mm ² /s]	100	100	100	100		
capacity [USGPM]	30.2	35.5	40.3	44.7		
power [hp]	5.8	4.6	3.8	3.4		
operating torque [lbf*ft]	17.2	13.7	11.4	10.0		
total efficiency [%]	26.5	22.4	15.4	7.8		
mech./hydr. efficiency [%]	47.5	34.2	20.6	9.4		
volumetric efficiency [%]	55.7	65.5	74.4	82.3		
NPSHr [ft]	3.89	3.89	3.89	3.89		
noise level [dB(A)]	69.4	69.0	68.6	68.2		
max. diff. pressure [psi]	87.0	87.0	87.0	87.0		
max. speed [rpm]	4000	4000	4000	4000		

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CLIENT:
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ENQUIRY NO:
PROJECT TITLE: Viscosity of 100 cSt
MEDIUM:
TAG NO(S):
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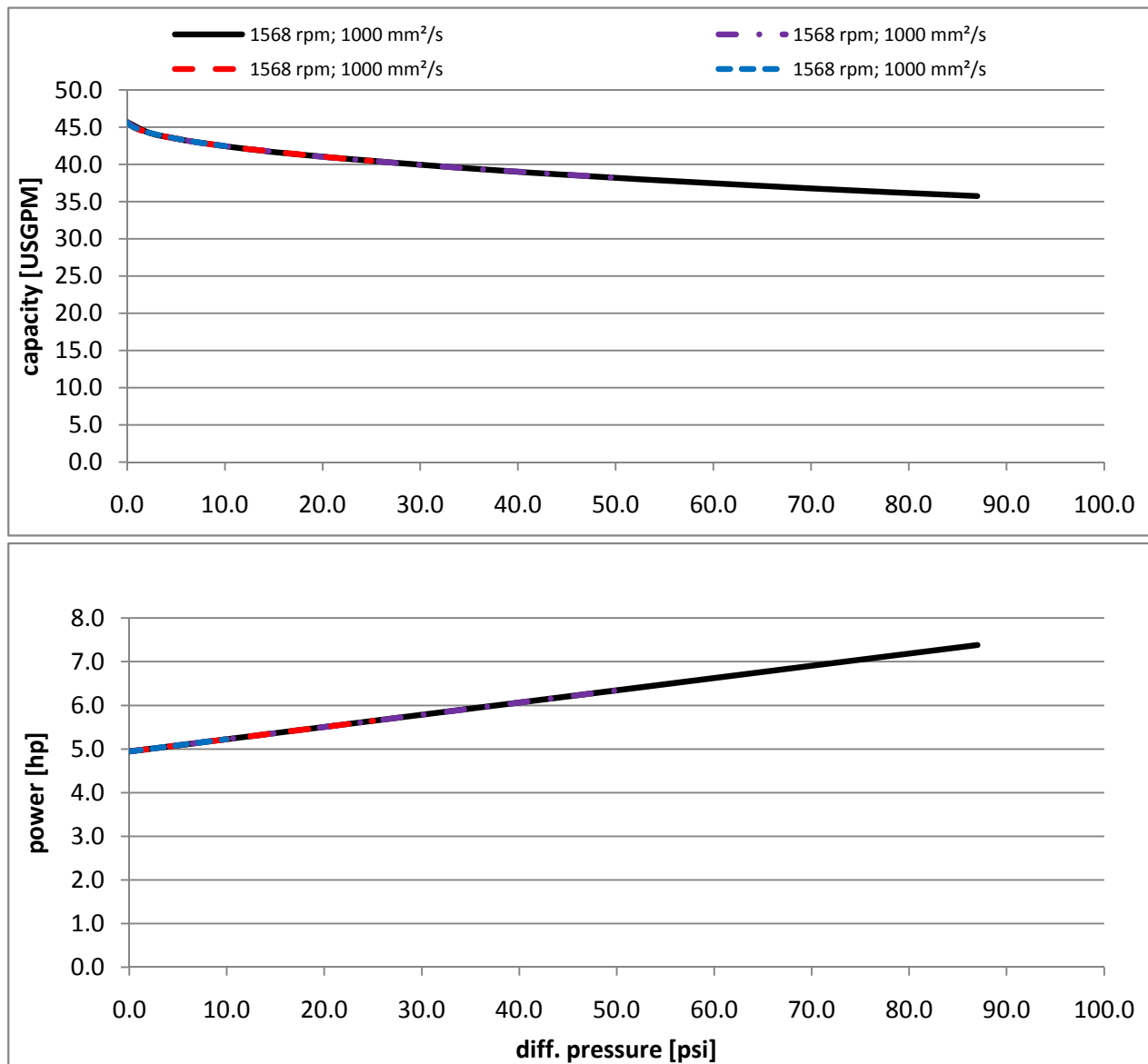
CLIENT:
LOCATION: Speed Limit 1,568 Rpm
ENQUIRY NO:
PROJECT TITLE: Various Products
MEDIUM:
TAG NO(S).: Viscosity of 1,000 cSt
QUOTATION/ORDER NO.:

	I	II	II	IV	V	VI
speed [rpm]	1568	1568	1568	1568		
diff. pressure [psi]	87	50	25	10		
kinem. viscosity [mm ² /s]	1000	1000	1000	1000		
capacity [USGPM]	35.7	38.2	40.4	42.4		
power [hp]	7.4	6.3	5.6	5.2		
operating torque [lbf*ft]	24.7	21.2	18.9	17.5		
total efficiency [%]	24.6	17.6	10.5	4.7		
mech./hydr. efficiency [%]	33.0	22.1	12.4	5.4		
volumetric efficiency [%]	74.4	79.5	84.2	88.3		
NPSHr [ft]	4.59	4.59	4.59	4.59		
noise level [dB(A)]	68.7	68.3	67.9	67.5		
max. diff. pressure [psi]	87.0	87.0	87.0	87.0		
max. speed [rpm]	1568	1568	1568	1568		

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LOCATION:
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PROJECT TITLE: Speed Limit 1,568 Rpm
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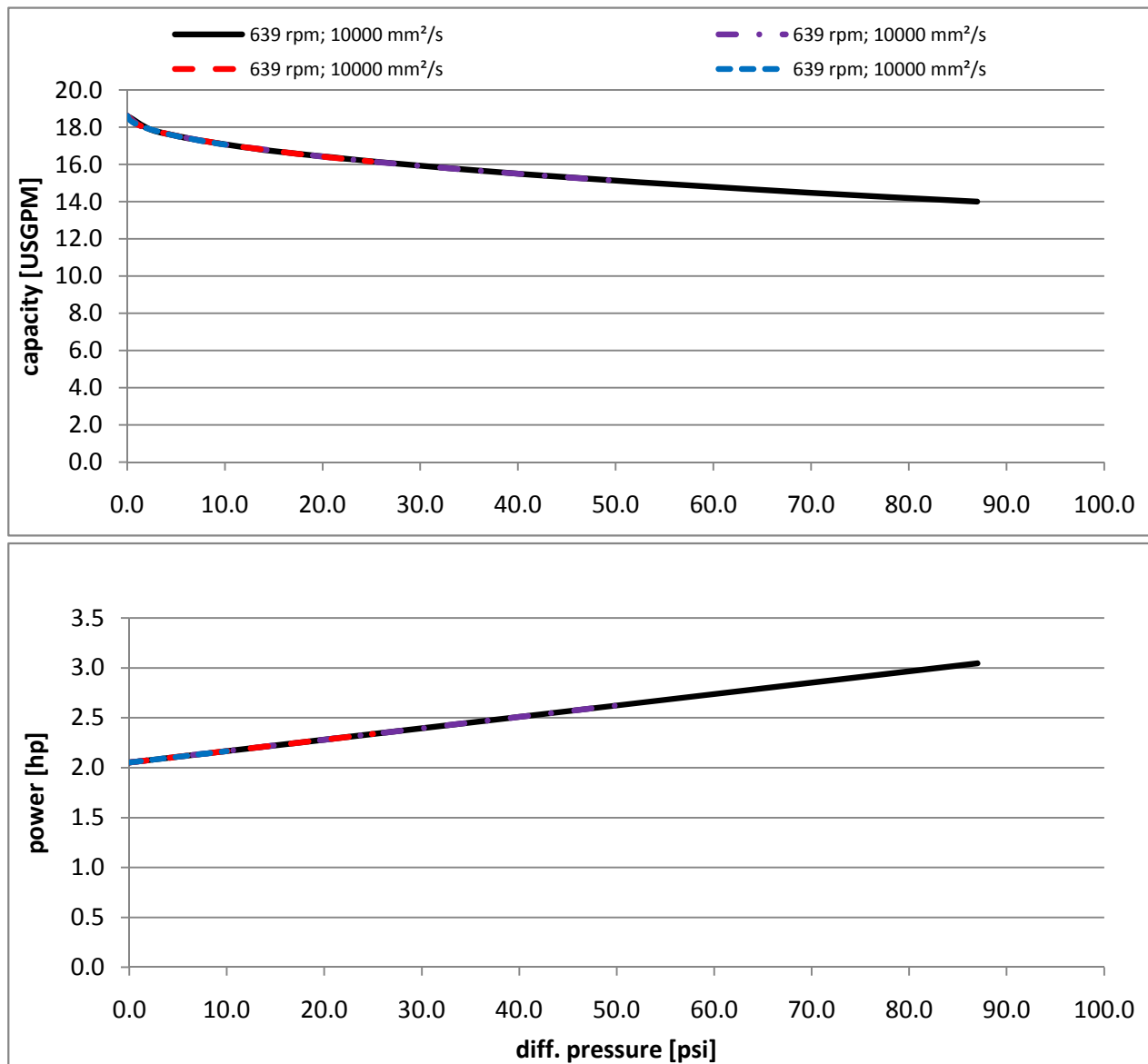
CLIENT: Processtec
LOCATION:
ENQUIRY NO:
PROJECT TITLE: Various Products
MEDIUM: Speed Limit 639 Rpm
TAG NO(S): Viscosity of 10,000 cSt
QUOTATION/ORDER NO.:

	I	II	II	IV	V	VI
speed [rpm]	639	639	639	639		
diff. pressure [psi]	87	50	25	10		
kinem. viscosity [mm ² /s]	10000	10000	10000	10000		
capacity [USGPM]	14.0	15.1	16.2	17.1		
power [hp]	3.0	2.6	2.3	2.2		
operating torque [lbf*ft]	25.0	21.6	19.2	17.8		
total efficiency [%]	23.3	16.8	10.1	4.6		
mech./hydr. efficiency [%]	32.6	21.8	12.2	5.3		
volumetric efficiency [%]	71.5	77.2	82.5	87.2		
NPSHr [ft]	3.03	3.03	3.03	3.03		
noise level [dB(A)]	64.2	63.8	63.4	63.0		
max. diff. pressure [psi]	87.0	87.0	87.0	87.0		
max. speed [rpm]	639	639	639	639		

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