

Town of Cary Pump Station Inspection Sheet



Facility Name: Palaver (Cofferleaf II)

Inspection Date: 9/8/2011

ID Number: 049

Pump

Type: Submersible
Discharge Diameter: 4"
Control: Float / FVNR Starter
Manufacturer: Flygt
CP-3127 HT
704-504-8804

Condition: New
Pump One: 158 gpm
Pump Two: 157 gpm
Firm Capacity 157 gpm
Rep: HD SUPPLY WATERWORKS
828-324-9705

Wetwell: 6' Diameter 6' Deep Vol: 1,300 gal

Generator:

MTU onsite Energy
Model DS00050D6SRAK0574

Condition: New
KVA: 62 KW: 50

Grinder:

Grinder: Muffin Monster

Condition: New

Sound:

At the Fence: 54 dB Gen off Five foot from Generator 92 db Generator on
At the Fence: 74 dB Gen on

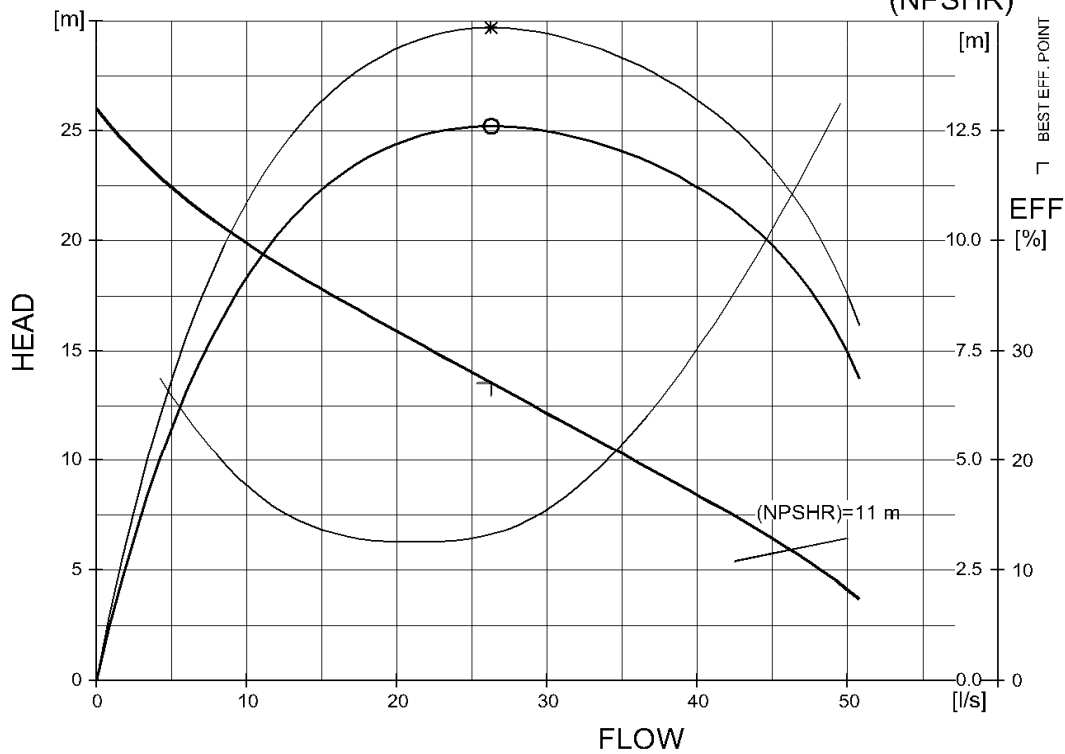
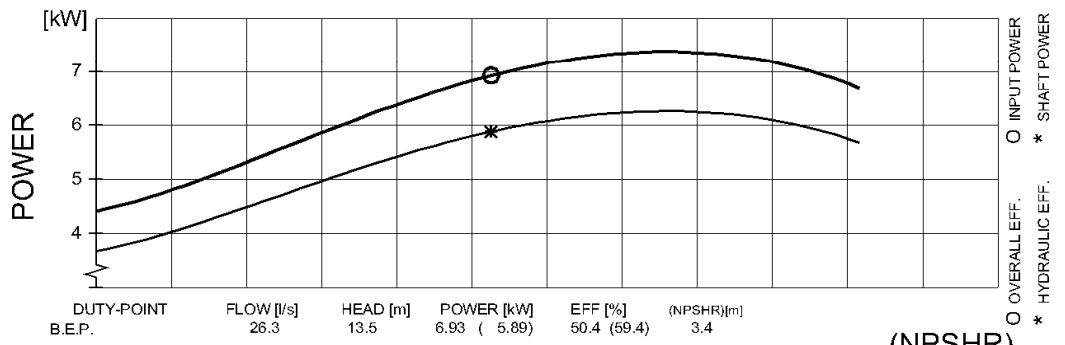
Comments:

- station is new
- carbon absorber
- valve vault had some ground water in it
- low flow now (15hr run time in the last 10 months)

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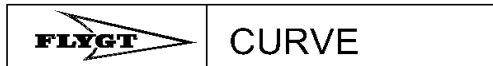


FLYGT		PERFORMANCE CURVE			PRODUCT CP3127.181	TYPE HT
DATE 2005-12-15	PROJECT				CURVE NO 63-484-00-3702	ISSUE 1
MOTOR COS PHI	1/1-LOAD 0.88	3/4-LOAD 0.86	1/2-LOAD 0.79	MOTOR SHAFT POWER STARTING CURRENT ... RATED CURRENT ...	7.5 kW 55 A 9.7 A	IMPELLER DIAMETER 217 mm
MOTOR EFFICIENCY	84.0 %	85.0 %	84.5 %	RATED SPEED TOT.MOM.OF INERTIA ...	1735 rpm 0.11 kgm2	MOTORTYPE 21-12-4AL
GEAR EFFICIENCY	---	---	---	NO. OF BLADES	1	STATOR 52D
COMMENTS	INLET/OUTLET -100 mm		RATED SPEED TOT.MOM.OF INERTIA ...		1735 rpm 0.11 kgm2	REV 11
	IMP. THROUGHLET 76 mm		NO. OF BLADES		1	FREQ. PHASES VOLTAGE POLES 60 Hz 3 600 V 4
			GEARTYPE		---	RATIO ---



FLYPS3.1.3.0 (20050224)

(NPSHR) = (NPSH3) + margins
Performance with clear water and rating data at 40 °C



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Palaver Pump Station



Control Panel



Valve Vault



Generator



Wetwell and Carbon Canister



Wetwell

