Pump Number	Pump Size	Manufacture	Test / Serial Number
18507	CL-4009	NASH	8050209
Equipment Number	**Service**	**Assembly Position**	**Discharge**
		(1) 2 3 4	L B R
Pump Rotation	**Shaft**	**Motor RPM**	**Pump Capacity %**
CW CCW	(Double Ext) Single Ext		85%
	Coupling Sheave	Motor HP	

PUMP RPM	MOTOR SHEAVE DIAMETER	PUMP SHEAVE DIAMETER
Actual Estimated	Actual Estimated	Actual Estimated

Observations and Recommendations

The bearings should be checked for contamination	The bearings shows signs of being over greased	The packing shows signs of excessive leakage and should be checked	The packing area drip wells are full of contaminants and should be cleaned out	The shroud relief check valves should be checked for proper operation
The lobe purge should be checked for proper operation	The pump base has extreme deterioration and should be changed out	The inlet / discharge boot shows signs of leakage and should be checked	The oil level in the sight glass is low and needs to be filled	This pump is low in capacity and should be changed out

	More / No pictures are not required at this time due to the small amount of wear that is present in this pump.

Disk # Picture # A This picture shows that the ~~body~~ on the (DE) IE is

S/S	(S/S clad)	Cast iron		And is in	(good)	fair	bad
S/S clad shroud	with an epoxy coating			condition			
With	(no) some extremely heavy	(wear)		With	some	heavy	pitting
					none some	heavy	scallops
					some	heavy	buildup

Disk # Picture # B This picture shows that the rotor to body / head clearance on the (DE) IE is

(Close)	extremely	wider	Standard	And the rotor shroud is	(cast iron)	s/s	clad
And is in	(good) fair bad		Condition	With the wear extending on to the rotor buckets			

minor

Disk # Picture # C This picture shows that the rotor to cone / port plate clearance on the (DE) IE is

(Close)	extremely	wider	Standard.	The rotor taper is	(cast iron)	s/s	welded	
And is	straight an square	(slightly)	irregular	With heavy pitting	heavy	grooves and buildup	some	
The cone is	(cast iron)	s/s	s/s clad	And is in	(good)	fair	bad	condition
With heavy pitting and heavy grooves								
some	and the inlet porting is approximately 0 % blocked with build up							

Disk # Picture # D This picture shows that the body on the DE (IE) is

S/S	(S/S clad)	Cast iron		And is in	(good)	fair	bad
S/S clad shroud	with an epoxy coating			condition			
With	(no) some extremely heavy	(wear)		With	some	heavy	pitting
					none some	heavy	scallops
					some	heavy	buildup

Disk # Picture # E This picture shows that the rotor to body / head clearance on the DE (IE) is

(Close)	extremely	wider	Standard	And the rotor shroud is	(cast iron)	s/s	clad
And is in	(good) fair bad		Condition	With the wear extending on to the rotor buckets			

minor

Disk # Picture # F This picture shows that the rotor to cone / port plate clearance on the DE (IE) is

(Close)	extremely	wider	Standard.	The rotor taper is	(cast iron)	s/s	welded	
And is	straight an square	(slightly)	irregular	With heavy pitting	heavy	grooves and buildup	some	
The cone is	(cast iron)	s/s	s/s clad	And is in	(good)	fair	bad	condition
With heavy pitting and heavy grooves								
some	and the inlet porting is approximately 0 % blocked with build up							

Other Observations and Recommendations See back of page