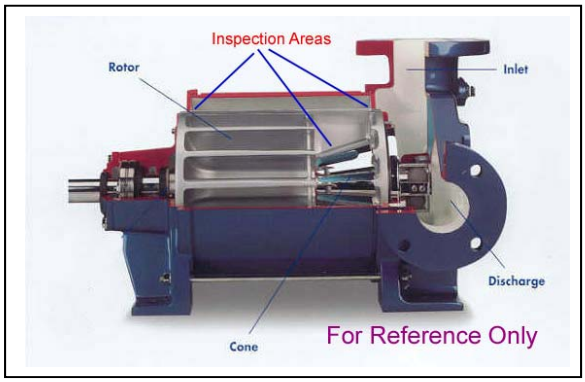

November 3rd 2017

Can-Am Machinery
44 Old Princeton Road
Fitchburg, MA 01420

Attention: Jake Daniels

Reference: **Fiber scope inspection of 2 NASH vacuum pumps in Kingsey Falls, Qc Canada**

Inspection Date: November 1st 2017

Jake,

The following report is based on my findings from a Fiberscope inspection of two NASH vacuum pumps. This inspection was performed in Kingsey Falls, Qc Canada where the pumps are in storage.

Observations and recommendations: As requested, inspected both 904-T1's. Pump #1 of this report shows signs of advanced wear to the rotor. Pump internals are all cast iron and have seen better days. I do not recommend purchasing this unit unless you plan a complete rebuild. Pump #2 is in great condition. It was rebuilt in our Nash Service Center in Burlington Ontario in 1999. Full stainless steel clad (body liner, head shrouds; full ring and cones) and also has a stainless rotor. A high end repair back in the days..!!! I would recommend changing the bearings, oil seals and gaskets since the pumps were stored outside for quite some time (rain, snow, frost)

I would recommend having the pump sent to a Nash authorized service center for a complete tear down and reassembly with OEM specs. Pump would then carry a two (2) year warranty.

Regards,

Eric Sabourin
Nash Field Service Technician
C-450.370.2586
@-Eric.Sabourin@gardnerdenver.com

Pump #	Pump Size	Test/Serial Number	Equipment Number	Shaft	Position/ RPM	Estimated Capacity
1	904-T1	89C0016	64180	Single extended	4/ 277	**Below 50%**

Rotor blade OD is eroded. Head shroud is acceptable.

This unit is not cladded. All internal components are cast iron.

Rotor tapers are completely eroded.

From another angle, eroded tapers, cone edge at the discharge is also worn.

We can clearly see the extent of the erosive wear of all rotor blades.

Although I was only able to inspect the idle end since the drive end plug was seized, this unit has advanced wear on the rotor and cone edges. Unit is 100% cast iron and has seen better days..!!!

Pump #	Pump Size	Test/Serial Number	Equipment Number	Shaft	Position/ RPM	Estimated Capacity
2	904-T1 Repaired 10/ 99	89C0065 MCA03121	63774	Double extended	4/ 300	90%

Drive end: below in the compression area, all surfaces are smooth and clean. Head shroud to rotor clearance is tight.

Drive end: Viewed here are three rotor blade tapers; all are square, even and true. Rotor is Stainless Steel cast.

Drive end: Seen here towards the center shroud, tight measurement and smooth surfaces.

Idle end: Head shroud, body liner and rotor viewed here at the head. All good..!!!!

Idle end: Rotor is in near new condition.

Idle end: close-up view of the center shroud to rotor clearance; very tight measurement.