



Field Service Ticket

FolderID: 103204
FormID: 21039834

Koppers Company (10178)

2201 Edmonds
N. Little Rock, AR 72117

Job Information

- | | |
|---------------------------------|---------|
| 1. Hi-Speed Job Number | 103204 |
| 2. Asset Type | 2 pumps |
| 3. Make | |
| 4. Model | |
| 5. Serial Number | |
| 6. Customer Asset ID/Asset Name | |

Service Call Details



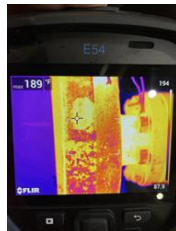
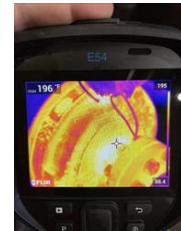
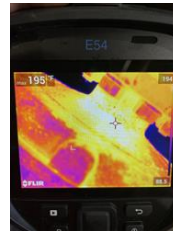
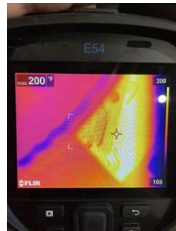
7. Service Objectives

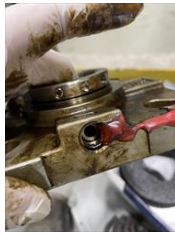
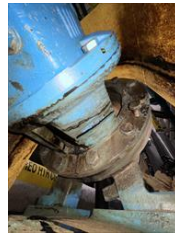
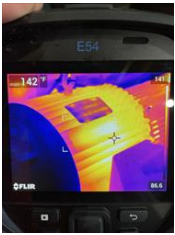
Check seals

8. Services Performed

P8

Inspected pumps and seals. Pump is running full temp at 200 degrees Fahrenheit. The plastic plugs are still in the new seal running at 200. The plastic plugs in the seal that was removed is melted and ran down the side of the seal on both sides. This tells me that a catastrophic event happened/being ran dry is the probable cause for so much heat to be introduced into the seal. Plastic melts around 350 degrees and higher depending on the material in most cases. The tungsten seal surfaces on both seals have phonogrooving like the grooves on a record. This means the two surfaces were rubbing against each other without lubrication to separate them just enough not to touch. Both seals also have burnt product all the way around them which shows signs that the seals got hot enough to burn the material and bake it onto them. There is a possibility that somewhere down the line there was an air pocket that didn't show up until it made its way to the pumps. I showed Kyle all my findings.*





9. Service Technician Recommendations
Keep an eye on the new seals.

Approval Signatures

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

10. Service Technician Signature

Trevor Hall

A handwritten signature in black ink, appearing to read 'Trevor Hall', is written over a light gray background.

11. Customer Signature