



PREDICTIVE MAINTENANCE IN FOCUS

HYDRAULIC PUMP: MISALIGNMENT

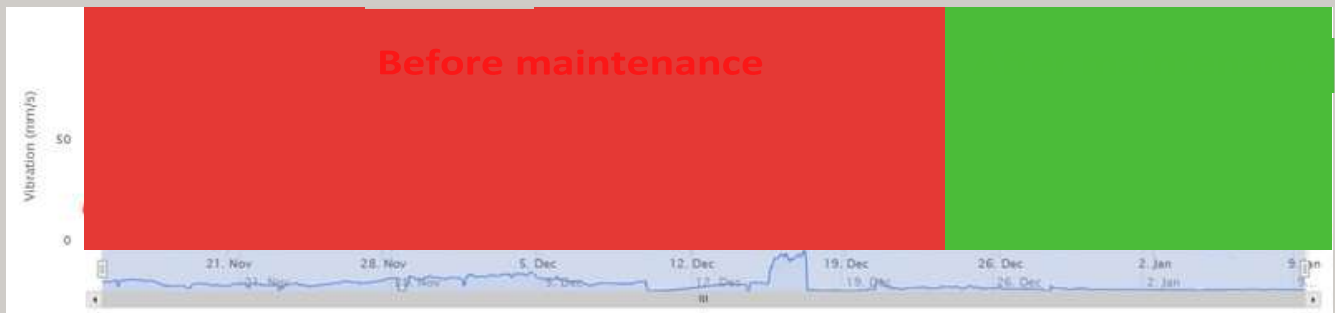
The sensor was installed in the hydraulic pump of high pressure system, and in the first measurements, it was possible to detect a peak at 2 x RPM, indicating a misalignment. The spectra and trend curve show the asset's condition. A combination of angular and parallel misalignments will decrease the coupling's capacity, bearings and mechanical seals. Misalignment causes a highly accelerated wear rate in the spider or hubs element, resulting in catastrophic failure.

HYD. PUMP #2

HYDRAULIC PUMP



Source: Grabcad



Vibration trend - Hydraulic Pump #2



Hydraulic Pump #2

