

Our biggest core competency at MSS is extending fluid and component life through filtration. That competency has never been more important than today with the current supply shortages in hydraulic and lubrication fluids. We offer a full line of filtration equipment to extend fluid drains. MSS also has on site diagnostic equipment to assure the quality of the fluid for true condition based drains.

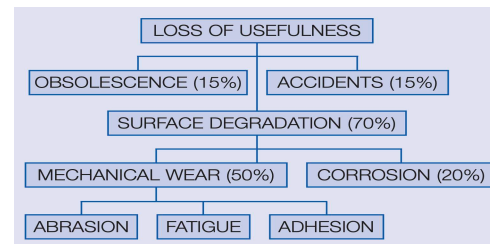
### Condition-Based Fluid Changes

Lube and hydraulic fluid are often changed out far before the end of their useful life. By monitoring fluid cleanliness and using high quality filters that break the chain reaction of wear, the maximum life of a fluid can be realized.



### Component Life Extension

Component life has a direct relationship to fluid cleanliness.



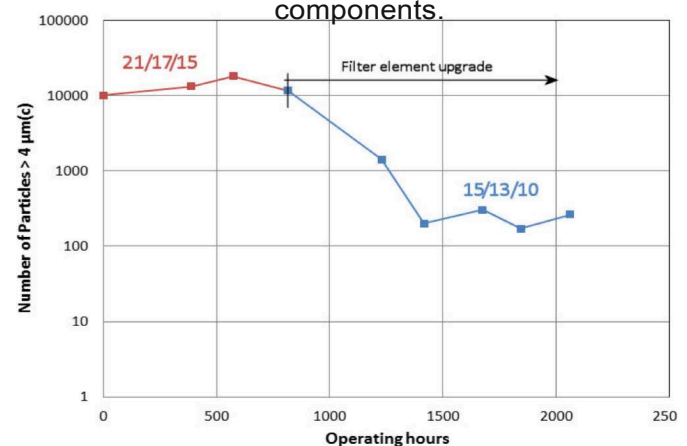
### Real Life Applications

This kidney loop system using Pall USRT filter media was able to extend the fluid change outs on a dragline gearbox from 6 months to 3+ years.



Particle Count Summary		
Particle Size	BEFORE Avg. # per ml	AFTER Avg. # per ml
4µm(c)	1,920,000	3,750
6µm(c)	240,000	960
14µm(c)	7,500	60

Once fitted with Pall Ultipor SRT filters, the hydraulic system on this excavator maintained ISO 4406 cleanliness codes of 15/13/10. According to Noria's life extension table, this improvement translates to a life extension factor of 5 for critical hydraulic system components.



If you have any questions, please call the number below or email us at [miningfilters@gmail.com](mailto:miningfilters@gmail.com)