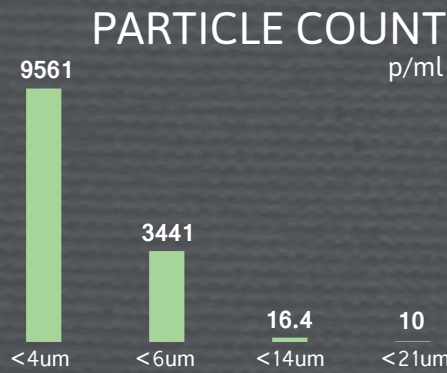


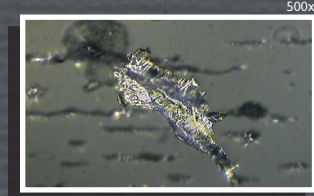
# FILTRATION CASE STUDY



**ISO  
20/19/15**  
PURCHASED GEAR OIL  
OUT OF THE DRUM



steel particles, cutting wear



large white nonferrous metal wear particle

**WEAR PARTICLE CONCENTRATION IS 7.8** RATING **MARGINAL**  
severe sliding, cutting, and other particles observed



Trico's High-Viscosity Hand-Held System

The same oil was filtered with a 10 micron filter for 2 hours

**ISO  
18/17/14**



**7.3**  
RATING **NORMAL**

The steel and nonferrous particles seen in the non-filtered oil are no longer present. Analytical results also reveal that there are only small quantities of debris in this sample. The lubricant condition is acceptable and use of this lubricant is recommended.

Finally, the oil was again filtered with a 3 micron filter for 2 hours

**ISO  
17/16/14**

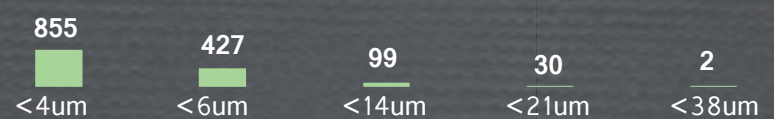
**WEAR PARTICLE CONCENTRATION IS**

**3.3** RATING **NORMAL**



showing only a trace amount of debris

Analytical results reveal that there are only trace quantities of debris in this sample. **THERE ARE NO SIGNS OF ANY STEEL OR NONFERROUS DEBRIS OBSERVED.** The lubricant condition is acceptable. Use of this lubricant is recommended.



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