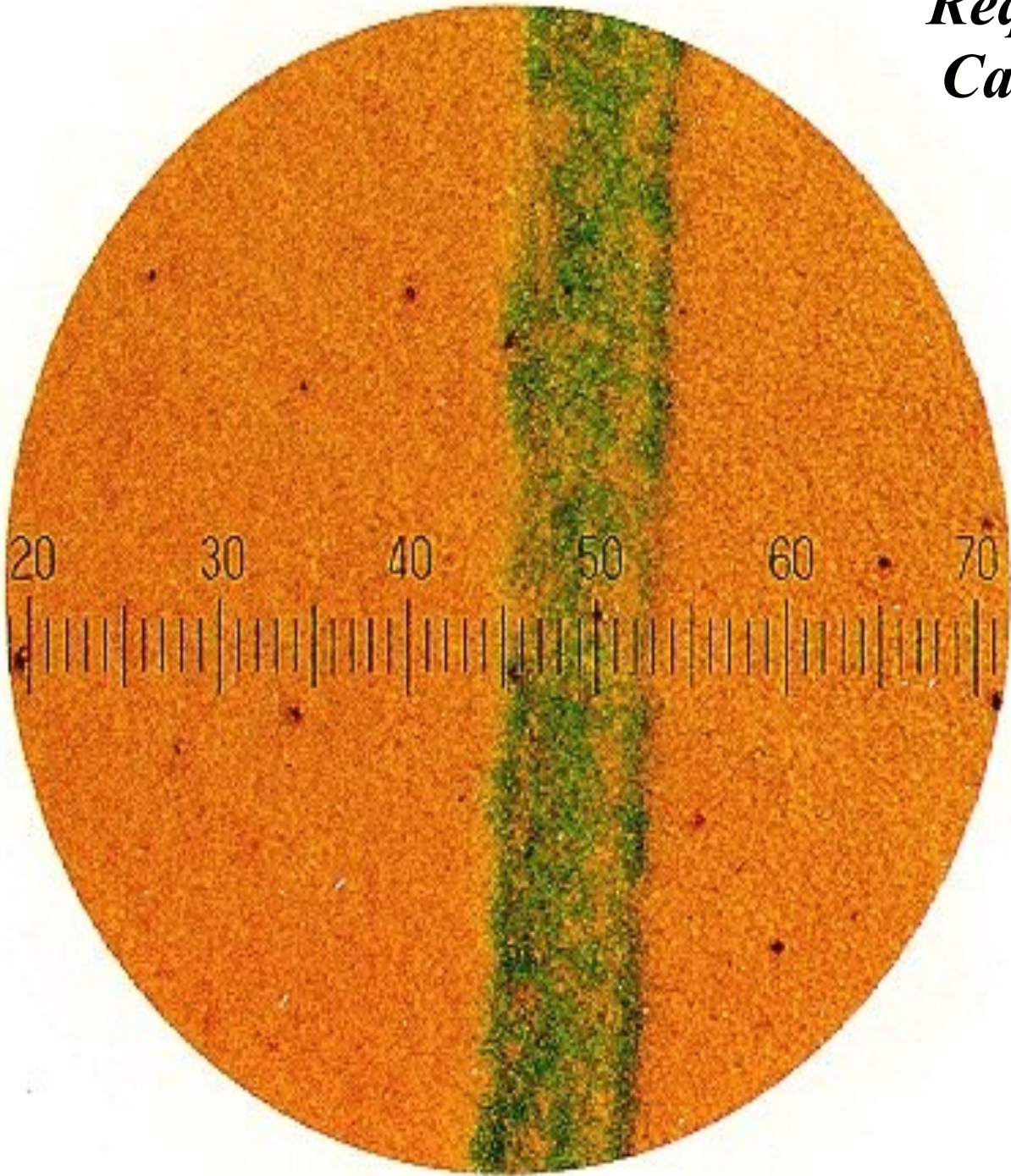


***Required cleanliness level of
Caterpillar Inc. to maintain
warranty (16/13).***



ISO Cleanliness Code - 17/15/13
Using the two number method –
ISO 15/13

Particle Count Summary

Particle Size	Number Per ml Greater than Size	Particle Count Range	Range Code
4µm	806	640-1,300	17
6µm	275	160-320	15
14µm	47	140-80	13

Photo Analysis

The visible contamination is mostly metallic with some silica particles.

Magnification 100x

Fluid volume: 25 ml

Scale: 1 Division = 14µm