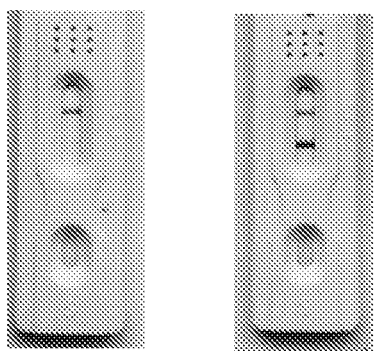


Fig. 1



Detect

No Detect

Fig. 2

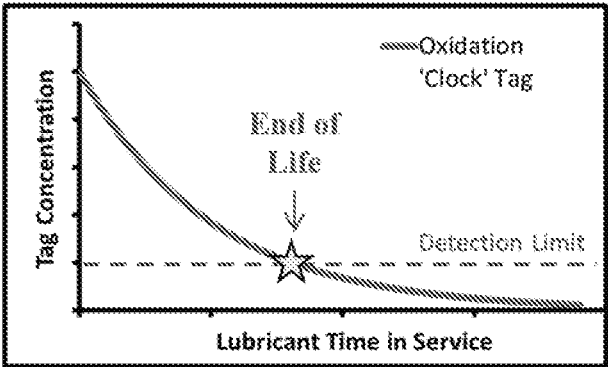


Fig. 3

Tag Molecule	Chemical Category	Utility in Lubricant Condition Monitoring
1,3,5-Triazine-2,4,6-triamine	Nitrogen-Containing Small Molecule	Fail
Peanut Allergen Protein	Protein	Fail
Casein	Protein	Fail
Whey Protein	Protein	Fail
(5S)-1-methyl-5-(3-pyridyl)pyrrolidin-2-one	Nitrogen-Containing Small Molecule - Cyclic Amide	Success

Fig. 4

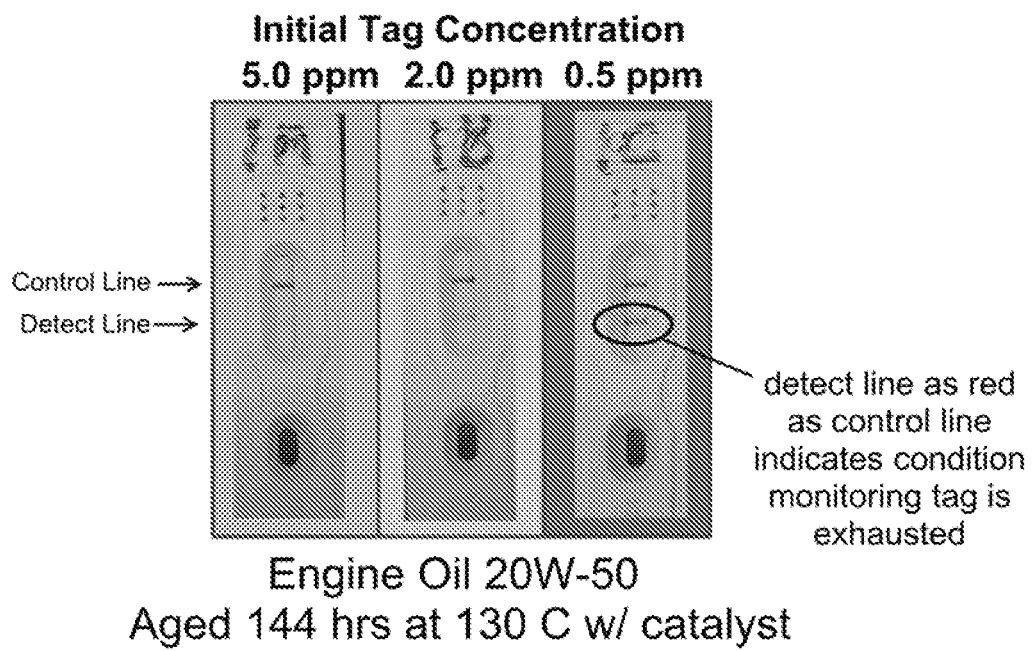


Fig. 5

