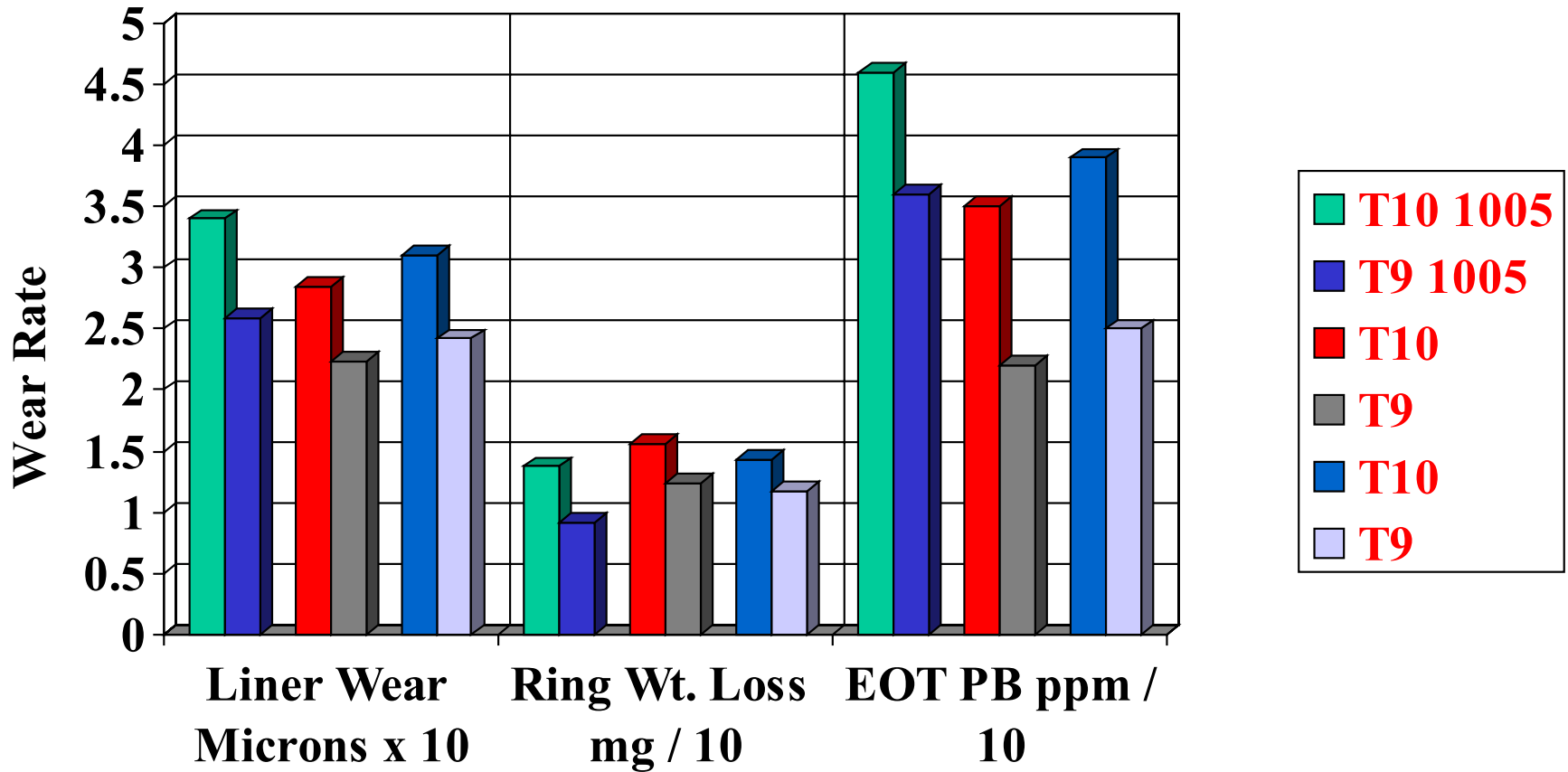


Wear / T10 vs. T9



GLS Jan 12th 2005



| Model Data | | | | | | | | |
|------------|--------|--------|---------|---------|----------|--|----------------|-----------------|
| T9 Pb | T10 Pb | T9 LWS | T10 LWS | T9 TRWL | T10 TRWL | | Base Oil Group | Viscosity Grade |
| 11.462 | 35.376 | 22.607 | 24.204 | 84.877 | 106.433 | | I | 15W-40 |
| 6.679 | 24.909 | 22.607 | 28.609 | 84.877 | 114.278 | | II | 15W-40 |
| 8.811 | 29.553 | 23.658 | 24.666 | 84.87 | 109.344 | | I | 15W-40 |
| 4.791 | 20.997 | 23.658 | 29.012 | 84.87 | 117.126 | | II | 15W-40 |
| 5.316 | 21.775 | 24.81 | 25.17 | 70.93 | 111.423 | | I | 15W-40 |
| 2.378 | 15.571 | 24.81 | 29.473 | 70.93 | 119.16 | | II | 15W-40 |
| 3.688 | 17.877 | 24.81 | 23.3 | 70.933 | 112.67 | | I | 15W-40 |
| 1.36 | 12.833 | 24.81 | 27.578 | 70.933 | 120.381 | | II | 15W-40 |
| 15.256 | 36.499 | 21.303 | 28.317 | 89.699 | 104.493 | | I | 15W-40 |
| 9.548 | 25.546 | 21.303 | 32.761 | 89.699 | 112.379 | | II | 15W-40 |
| 11.379 | 35.177 | 23.658 | 24.719 | 84.869 | 107.819 | | I | 15W-40 |
| 6.669 | 24.875 | 23.658 | 29.096 | 84.869 | 115.634 | | II | 15W-40 |



Limit Recommendations

CH 4 T9 - T10

Liner Wear (um)

T9 – 25.4 T10 – 30, 32,33

Top Ring Weight Loss (mg)

T9 – 120 T10 – 145,154,158

EOT Delta Lead (ppm)

T9 – 25 T10 – 40,45,47

