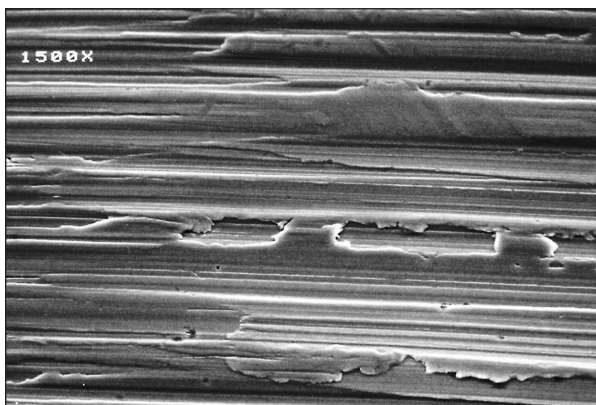
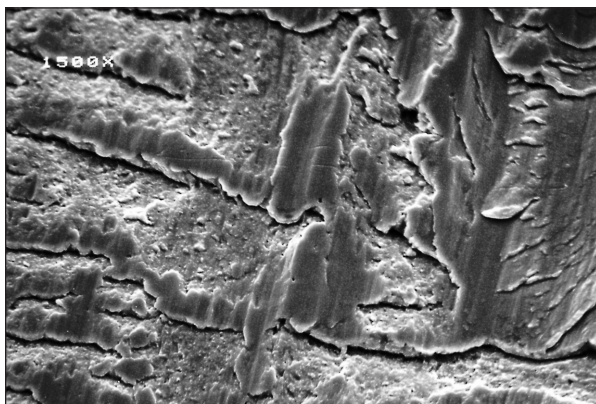


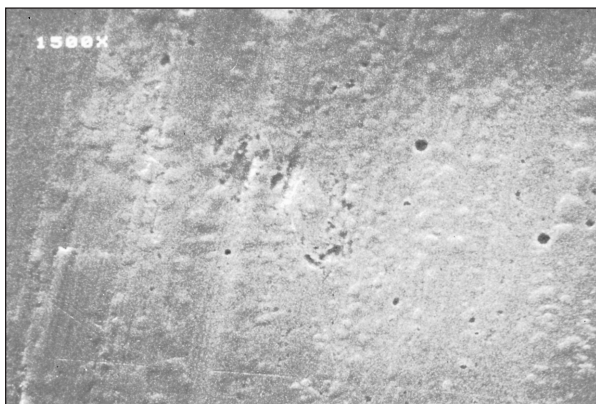
Microscopic Photos of Micro-Polishing



New mechanical bearing surface appears smooth until magnified 1,500 times.

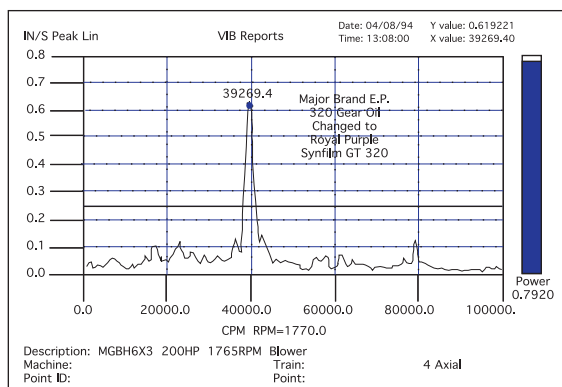


Same bearing surface galled using a premium, competitive synthetic oil (1,500 power).

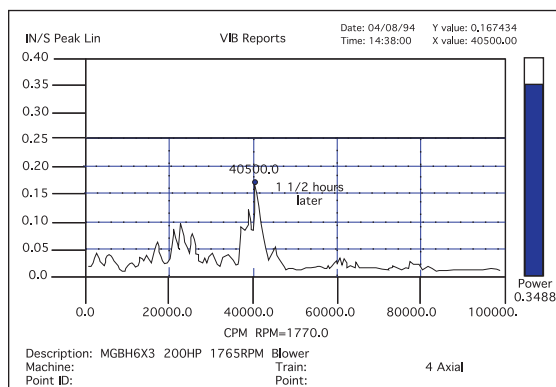


Same bearing surface after being micro-polished by Royal Purple's proprietary Synerlec® additive technology (1,500 power).

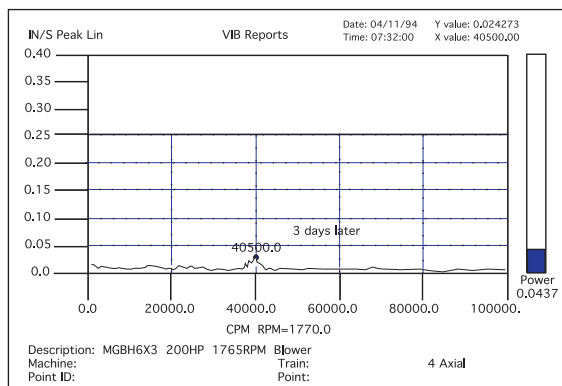
Micro-Polishing Reduces Vibrations



1. 200 HP Roots Blower at a chemical plant is experiencing high vibrations while being lubricated with a competitor's ISO 320 EP gear oil.



2. Same blower 1 1/2 hours after the oil is changed to Royal Purple® Synfilm® GT 320.



3. Same blower three days after the oil is changed to Royal Purple® Synfilm® GT 320.

Impact of Vibration Reduction on Bearing Life

(Assumes dynamic load is the major force component)

% Reduction in Vibration	Percent Increase in Bearing Life	
	Ball Bearing Types	Other Rolling Element Bearing
5	17	19
10	37	42
15	63	72
20	95	110
25	137	161
30	192	228
40	363	449
50	700	908

Table provided courtesy of L. Douglas Berry, *Reliability Magazine*