

MP8 Assorted Elemental Analysis

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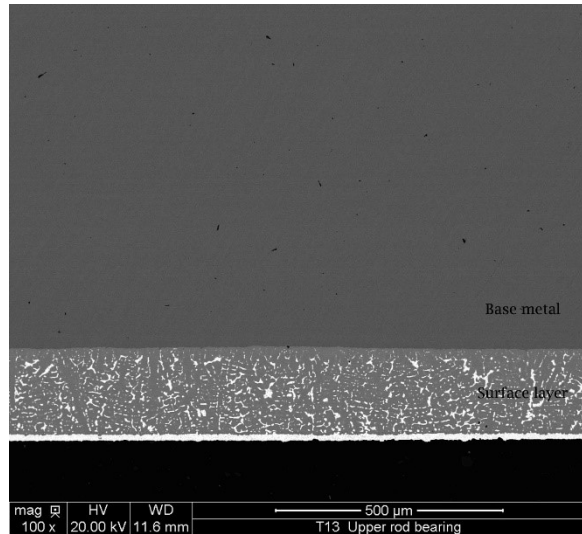
swri.org

Upper Rod Bearing Concentrations

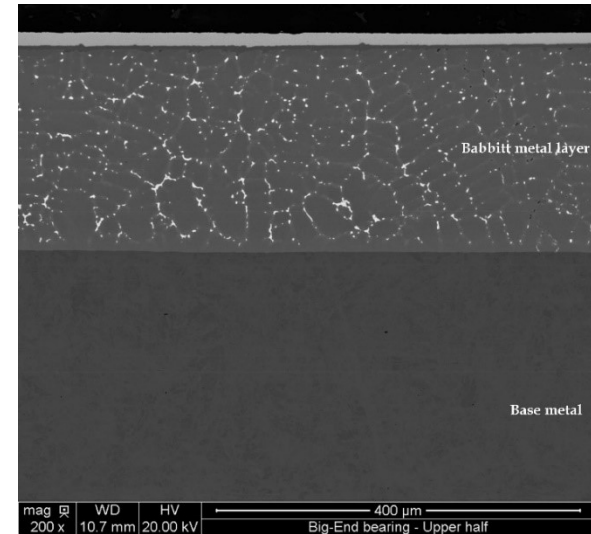
Element	2014 T13 Bearing – Batch A, 20508264	2019 Bearing – Mahle, 21610683	2018 MP8 From Volvo - 20508264	Aftermarket supplier
Al	0.90		0.12	
Fe	0.88	1.45	0.55	
Cu	74.38	89.46	86.2	66.64
Sn	1.87	3.24	1.85	1.89
Pb	21.97		10.27	31.47
Si		0.13		
Ni		0.79		
Bi		4.93		



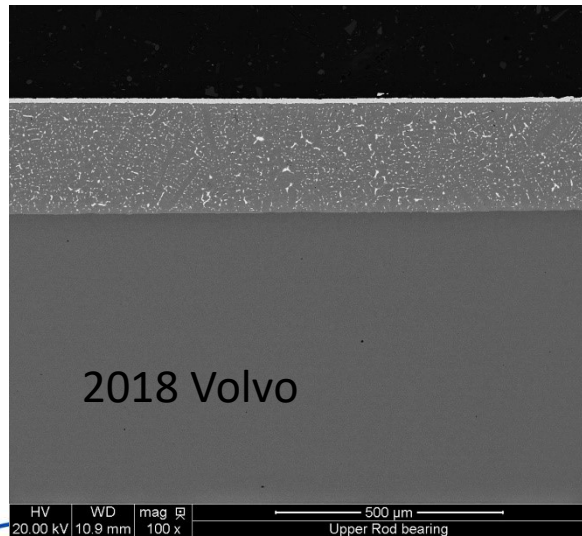
Rod Bearing Visual (Note Scales)



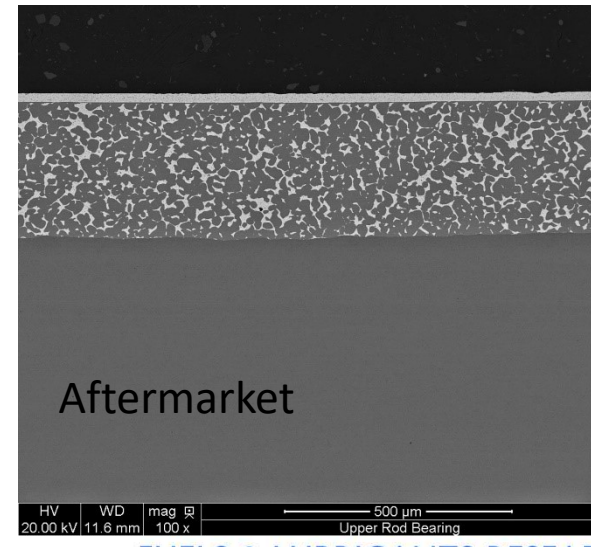
2014 Batch A



2018 Mahle



2018 Volvo

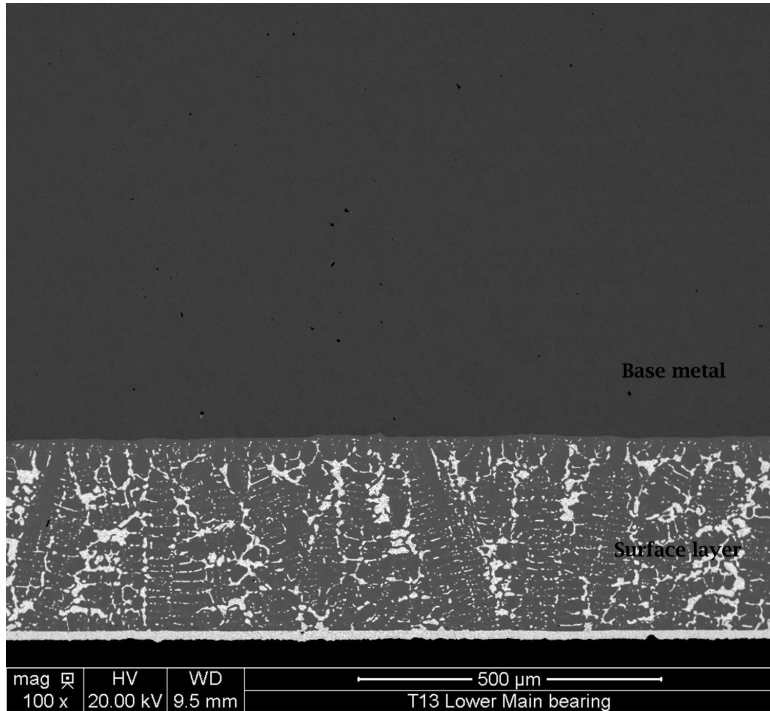


Aftermarket

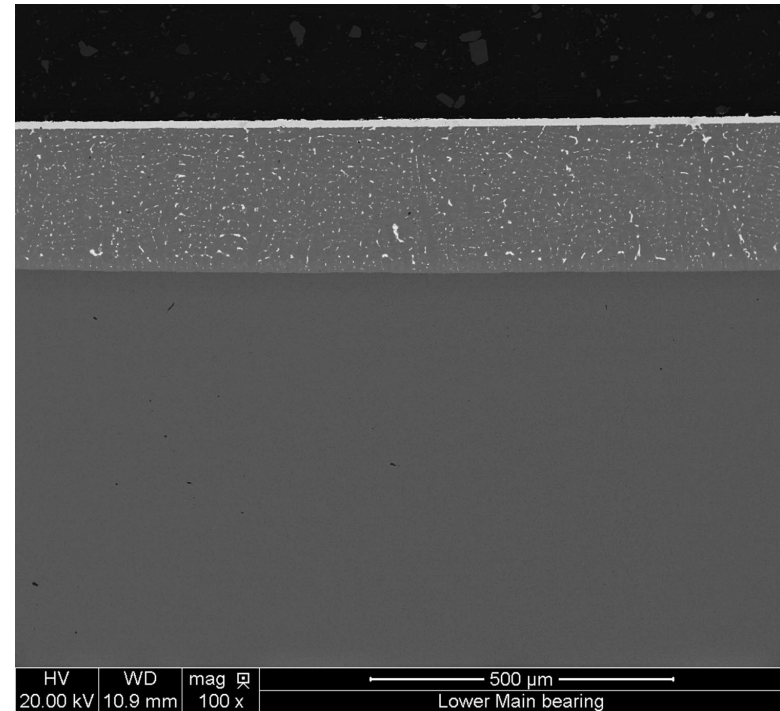
Lower Main Bearing Concentrations (20530900)

Element	2014 T13 Bearing – PNB	2018 MP8 From Volvo - PNB
Al	1.17	
Fe	0.49	0.76
Cu	67.07	91.98
Sn	1.5	1.99
Pb	29.77	4.17
Ni		1.10

Lower Main Visual



2014 T13 PNB from Kit



2018 MP8 PNB from Volvo