

ASTM D130 Copper Corrosivity Test for Gear Oils, determining "Yellow-Metal Friendliness"

10/9/2019

M/T FLUID & GEAR OIL	WEIGHT	API	D130 CLASSIFICATION		
Schaeffer #293 Supreme Gear Lube	SAE 75W-90	GL5	1A	Light Orange	BEST
Red Line MT-90	75W-90	GL4	1A	Light Orange	
Amsoil Long Life FGR	75W-90	GL5	1B	Dark Orange	Acceptable
Amsoil MT & Gear MTG	75W-90	GL4	1B	Dark Orange	
Amsoil Severe Gr SVG	75W-90	GL5	1B	Dark Orange	
Castrol SYNTEC	75W-90	GL5	1B	Dark Orange	
Citgo Citgear Std XD	75W-90	GL4	1B	Dark Orange	
GM Synthetic Axle	75W-90	GL5	1B	Dark Orange	
Mobil 1 Synthetic	75W-90	GL5	1B	Dark Orange	
Pennzoil Synthetic	75W-90	GL5	1B	Dark Orange	
Red Line 75W90 GL-5	75W-90	GL5	1B	Dark Orange	
Red Line NS Gear Oil	75W-90	GL5	1B	Dark Orange	
Valvoline SynPower	75W-90	GL5	1B	Dark Orange	
w/Torco Type G LS add	75W-90	GL5	1B	Dark Orange	
Castrol Hypoy C	80W-90	GL5	1B	Dark Orange	
Pennzoil Gearplus	80W-90	GL5	1B	Dark Orange	
Valvoline High Perf	80W-90	GL5	1B	Dark Orange	
Delo Trans Fluid ESI	50W		2A	Claret Red	WORST
Delo Gear Lubric ESI	80W-90	GL5	2A	Claret Red	
Royal Purple Max Gear	75W-90	GL5	4A	Trans Black	
w/Mopar LS additive	75W-90	GL5	4A	Trans Black	
Lucas 75/90 Synthetic	75W-90	GL5	4B	Graphite Blk	

To find out if an oil is safe for copper/brass/bronze, find the Technical Data sheet for the oil type and look for the rating for "Copper Strip Test, 3hrs. (ASTM D-130)"