AOA
AVIATION OIL ANALYSIS
YOUR AIRCRAFT. OUR EXPERTISE.
ALS Tribology

3319 W. Earll Drive, Phoenix, Arizona 85017
Phone: 800-445-7930 Fax: 602-252-4639
http://webtrieve.alstribology.com ****email: aoa@alstribology.com

Customer Name:	J	**Tail Number:**		**Comp Serial No:**	28-227xx
Address:		**Aircraft Make:**	Piper	**Comp Name:**	Single Engine
		Aircraft Model:	PA28 140	**Comp Make:**	Lycoming
Phone:		**Serial No:**		**Comp Model:**	O-320
Fax:		**UIN:**	06D027F		

Sample No.	44150194113
Date Sampled	06-Oct-18
Date Tested	19-Oct-18
Oil Brand	Phillips 66
Oil Type	XC Aviation MV
Oil Grade	SAE 20W50
Oil Hrs	25
Oil Added	
Hrs Since New	
Rebuild Hrs	

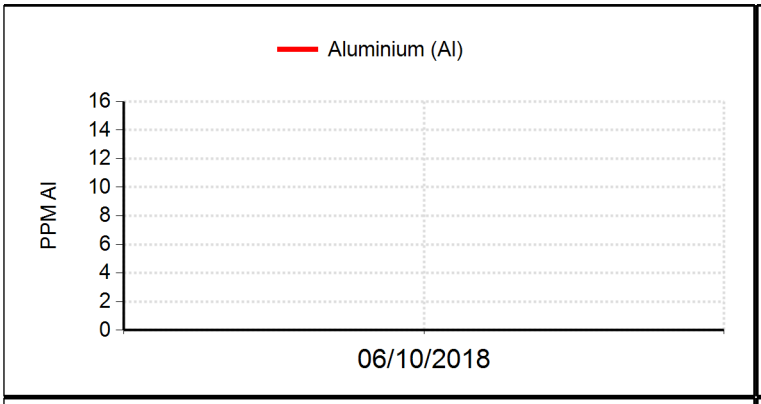
Metals (ppm)	
Aluminium (Al)	15
Iron (Fe)	109.78
Copper (Cu)	3.47
Nickel (Ni)	2
Chromium (Cr)	14
Silver (Ag)	<1
Contaminants (ppm)	
Silicon (Si)	14

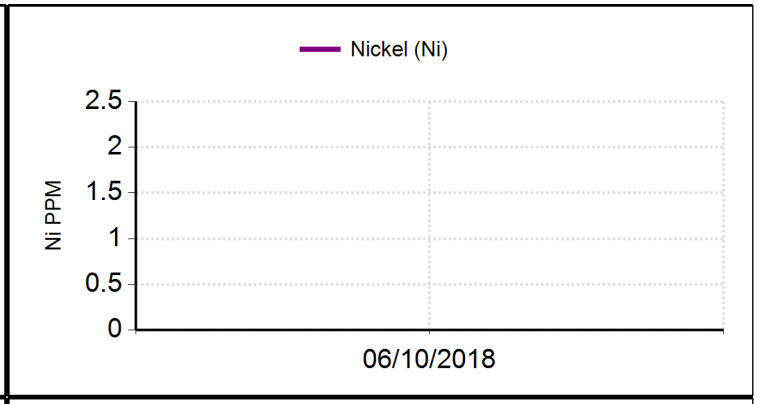
LEGEND

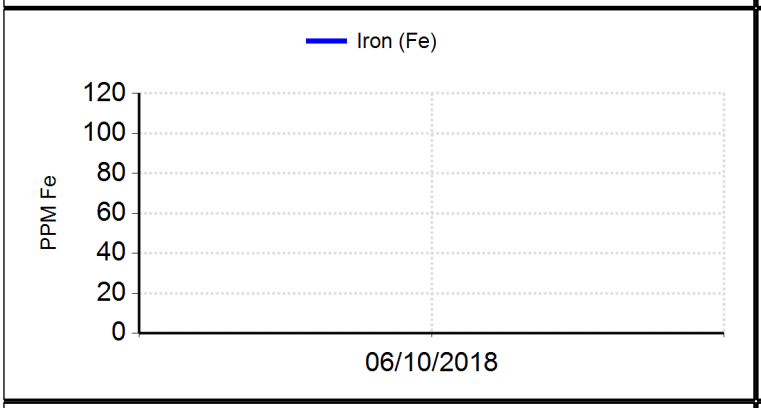
Severe Abnormal Caution Normal

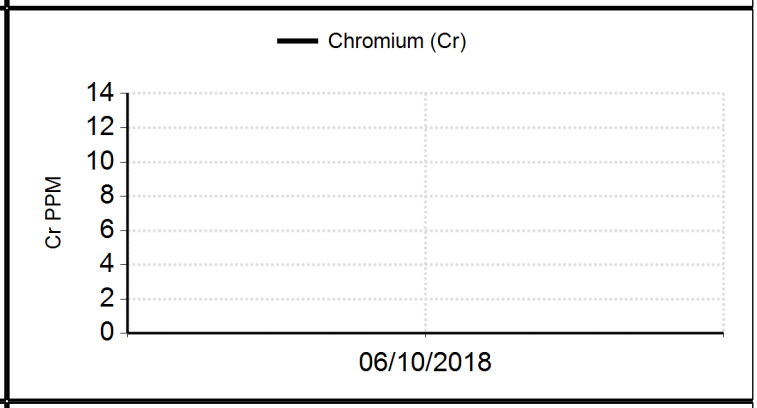
Sample No. Diagnosis/Recommendations

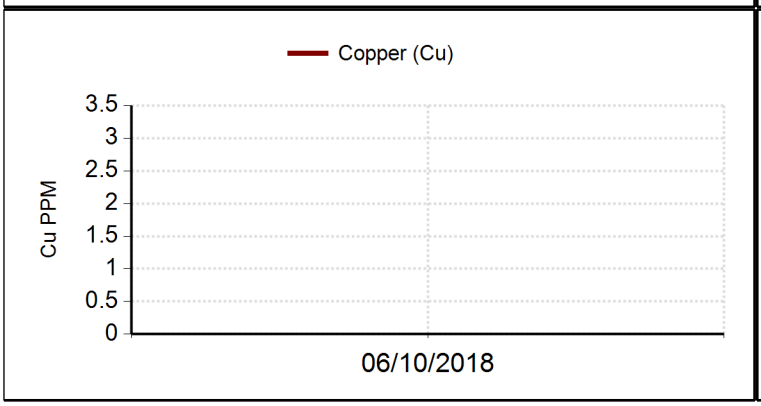
44150194113	Wear metals appear high for oil time. Check oil filter for chips. Resample next oil change to establish wear trend.

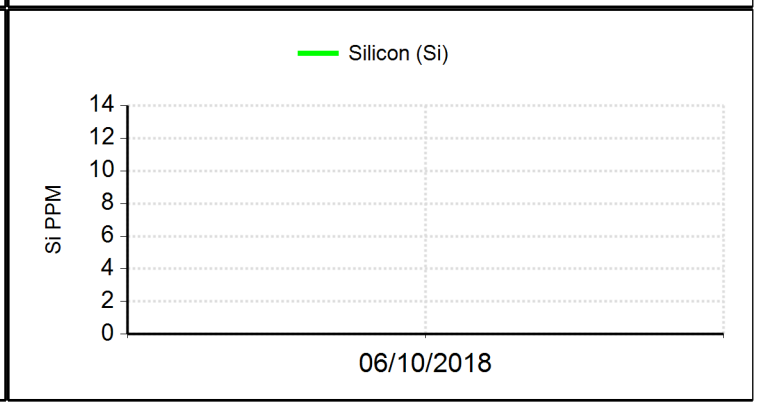












James Moore
Attn: James Moore
1146 E Grand Ave
Arroyo Grande CA 93420
USA

TEST METHODS:

Acid Number:	ASTM D974/D664
ICP:	ASTM D5185
Viscosity:	ASTM D445 / D7279
Water by Crackle:	ASTM E203 Mod / In House

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