

Print

ANALYSIS RESULTS - ENGINE S/N: L1576251A

Print Date:5/9/2024  
Engine Model:LYC. 360  
Aircraft Type:  
Aircraft S/N:30-906  
Tail No.:N7830Y-RH

TRANS WORLD AIRCRAFT LLC  
ATTN: ALICIA SIKES  
2335 DEVON DR  
QUAKERTOWN PA 18951

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See [www.avlab.com/explain](http://www.avlab.com/explain) for detailed explanation of the statistical analysis used with your laboratory results.

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**\*\* CURRENT** SAMPLE APPEARS NORMAL. Send next sample at normal interval. A.L.A.R.M. Meter: Normal Elevated High

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***											
Iron	Copper	Nickel	Chromium	Silver	Magn.	Alum.	Lead	Silicon	Titanium	Tin	Moly.
7.8 (23.7)	3.2 (5.9)	1 (1.6)	2.3 (3.5)	N/A	N/A	1.7 (5.1)	1770 (2,668)	5 (4.5)	N/A	< 0.1 (0.4)	N/A

  

*** FILTER ANALYSIS RESULTS ***											
Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.	
Amount:											
Type:											
Form:											

Sample Date: 4/30/2024  
Analysis Date: 5/8/2024  
Sample Number: P36  
Cylinder Type: STEEL  
TSN/TSO: 582.7  
Oil Hours: 27.5  
Filter Hours: 27.5  
Oil Added: 1  
Filter Wt. (mgs):  
Flashpoint(deg. F):  
H2O (ppm):  
Total Acid No.:

Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.

▽

**\*\* PREVIOUS 1** SAMPLE APPEARS NORMAL. Send next sample at normal interval. A.L.A.R.M. Meter: Normal Elevated High

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***											
Iron	Copper	Nickel	Chromium	Silver	Magn.	Alum.	Lead	Silicon	Titanium	Tin	Moly.
9.8 (22.5)	2.6 (5.5)	0.7 (2.8)	2.4 (4.9)	N/A	N/A	0.7 (6.0)	1977 (3,577)	3.9 (3.7)	N/A	< 0.1 (0.7)	N/A

  

*** FILTER ANALYSIS RESULTS ***											
Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.	
Amount:											
Type:											
Form:											

Sample Date: 4/12/2023  
Analysis Date: 6/21/2023  
Sample Number: P63  
Cylinder Type: MULTIPLE  
TSN/TSO: 555.2  
Oil Hours: 38.7  
Filter Hours: 38.7  
Oil Added:  
Filter Wt. (mgs):  
Flashpoint(deg. F):  
H2O (ppm):  
Total Acid No.:

Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.

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**\*\* PREVIOUS 2** SAMPLE APPEARS NORMAL. Send next sample at normal interval. A.L.A.R.M. Meter: Normal Elevated High

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***											
Iron	Copper	Nickel	Chromium	Silver	Magn.	Alum.	Lead	Silicon	Titanium	Tin	Moly.
16.7 (22.0)	3.2 (6.7)	0.1 (1.8)	4.3 (3.7)	N/A	N/A	2.9 (4.7)	1807 (3,970)	5.2 (3.7)	N/A	< 0.1 (0.5)	N/A

  

*** FILTER ANALYSIS RESULTS ***											
Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.	
Amount:											
Type:											

Sample Date: 7/6/2022  
Analysis Date: 8/3/2022  
Sample Number: P14  
Cylinder Type: STEEL  
TSN/TSO: 516.5  
Oil Hours: 50  
Filter Hours: 50  
Oil Added:  
Filter Wt. (mgs):  
Flashpoint(deg. F):  
H2O (ppm):  
Total Acid No.:

Form:

Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.



\*\* PREVIOUS 3 SAMPLE APPEARS NORMAL. Send next sample at normal interval.

A.L.A.R.M. Meter: Normal Elevated High

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***											
Iron	Copper	Nickel	Chromium	Silver	Magn.	Alum.	Lead	Silicon	Titanium	Tin	Moly.
36.3 (21.2)	2.2 (5.6)	0.9 (1.4)	4.6 (3.3)	N/A	N/A	11.1 (5.1)	1835 (2,253)	3.5 (4.6)	N/A	< 0.1 (0.4)	N/A
*** FILTER ANALYSIS RESULTS ***											
Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.	
Amount:											
Type:											
Form:											

Comments: OWNER/TRANS WORLD AIRCRAFT. ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.



\*\* PREVIOUS 4 SAMPLE APPEARS NORMAL. Send next sample at normal interval.

A.L.A.R.M. Meter: Normal Elevated High

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***											
Iron	Copper	Nickel	Chromium	Silver	Magn.	Alum.	Lead	Silicon	Titanium	Tin	Moly.
34.4 (25.1)	17.7 (14.8)	3.2 (2.3)	6.4 (6.6)	N/A	N/A	10 (5.3)	2575 (3,443)	9.1 (7.0)	N/A	< 0.1 (0.9)	N/A
*** FILTER ANALYSIS RESULTS ***											
Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.	
Amount:											
Type:											
Form:											

Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.