

Print

ANALYSIS RESULTS - ENGINE S/N: L2241851A

Print Date:5/7/2024
Engine Model:LYC. 360
Aircraft Type:
Aircraft S/N:30-906
Tail No.:N7830Y-LH

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 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.
22.3 (23.8)	9.6 (5.7)	1.2 (1.6)	5 (3.4)	N/A	N/A	7.2 (4.7)	1902 (2,651)	7.9 (4.5)	N/A	0.5 (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: 5/6/2024
Sample Number: P71
Cylinder Type: STEEL
TSN/TSO: 661.7
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.
24.6 (23.9)	9.7 (6.9)	1.4 (1.7)	2.7 (3.5)	N/A	N/A	4.7 (5.4)	1890 (3,310)	8.7 (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:										
Form:										

Sample Date: 4/12/2023
Analysis Date: 5/24/2023
Sample Number: P60
Cylinder Type: STEEL
TSN/TSO: 634.2
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.
20.4 (21.8)	18.4 (6.4)	1.8 (1.8)	3 (3.6)	N/A	N/A	4.9 (4.6)	1636 (3,943)	10.2 (3.5)	N/A	1.1 (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: P07
Cylinder Type: STEEL
TSN/TSO: 595.5
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.
32.8 (26.5)	14.9 (11.9)	1.8 (2.1)	5.1 (5.8)	N/A	N/A	8.1 (6.1)	3112 (3,703)	5.6 (5.6)	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:											

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

Sample Date: 9/7/2018
Analysis Date: 11/7/2018
Sample Number: P59
Cylinder Type: STEEL
TSN/TSO: 162.8
Oil Hours: 50
Filter Hours: 50
Oil Added:
Filter Wt. (mgs):
Flashpoint(deg. F):
H2O (ppm):
Total Acid No.: