

HYDRAULIC FLUID TEST RESULTS

SKYWEST AIRLINES
attn: CHARLES COX
[REDACTED]

PALM SPRINGS CA 92262

Control Number: 6-2-1Q
Tail Number: N925SW
Aircraft Type: CL600
Fluid Type: HYJET IV
Sample Date: 5/27/2010
System Number: 3 RETURN
Serial Number: 7682
Air Frame Hours: 20,310.80
Fluid Hours: 0.00

VISCOSITY @ 40 DEG. C (cSt.): 7.24
TOTAL ACID NUMBER (mgKOH/g): 0.03
WATER KARL FISCHER (PPM wt.): 3,082

SPECIFIC GRAVITY: 1.014

PARTICLE SIZE DIST. (MICRONS/100 mL)

MICRONS 5-15: 77,976
MICRONS 15-25: 6,808
MICRONS 25-50: 920
MICRONS 50-100: 40
MICRONS 100+: 4
NAS CLASS: 9

WEAR METAL ANALYSIS (PPM)

ALUMINUM: <0.1
IRON: <0.1
COPPER: 0.1
NICKEL: <0.1
CHROMIUM: 2.4
SILVER: <0.1
LEAD: <0.1
SILICON: 0.5
MAGNESIUM: <0.1

ELEMENTAL ANALYSIS (PPM)

CALCIUM: 2.5
SODIUM: 0.1
CHLORINE: 22
SULPHUR: 163
POTASSIUM: 2

REMARKS: SAMPLE APPEARS NORMAL.

HYDRAULIC FLUID TEST RESULTS

SKYWEST AIRLINES
attn: CHARLES COX
[REDACTED]

PALM SPRINGS CA 92262

Control Number: 6-2-2Q
Tail Number: N925SW
Aircraft Type: CL600
Fluid Type: HYJET IV
Sample Date: 5/27/2010
System Number: RETRACT ACTUATOR
Serial Number: 7682
Air Frame Hours: 20,310.80
Fluid Hours: 0.00

VISCOSITY @ 40 DEG. C (cSt.): 7.36
TOTAL ACID NUMBER (mgKOH/g): 0.03
WATER KARL FISCHER (PPM wt.): 3,457

SPECIFIC GRAVITY: 1.013

PARTICLE SIZE DIST. (MICRONS/100 mL)

MICRONS 5-15:	122,728
MICRONS 15-25:	3,144
MICRONS 25-50:	232
MICRONS 50-100:	4
MICRONS 100+:	0
NAS CLASS:	9

WEAR METAL ANALYSIS (PPM)

ALUMINUM:	<0.1
IRON:	<0.1
COPPER:	0.1
NICKEL:	<0.1
CHROMIUM:	2.3
SILVER:	<0.1
LEAD:	<0.1
SILICON:	0.4
MAGNESIUM:	<0.1

ELEMENTAL ANALYSIS (PPM)

CALCIUM:	2.7
SODIUM:	0.1
CHLORINE:	22
SULPHUR:	156
POTASSIUM:	2

REMARKS: SAMPLE APPEARS NORMAL.

HYDRAULIC FLUID TEST RESULTS

SKYWEST AIRLINES
attn: CHARLES COX
[REDACTED]

PALM SPRINGS CA 92262

Control Number: 6-2-3Q
Tail Number: N925SW
Aircraft Type: CL600
Fluid Type: HYJET IV
Sample Date: 5/27/2010
System Number: UPLOCK ACTUATOR
Serial Number: 7682
Air Frame Hours: 20,310.80
Fluid Hours: 0.00

VISCOSITY @ 40 DEG. C (cSt.): 7.46
TOTAL ACID NUMBER (mgKOH/g): 0.03
WATER KARL FISCHER (PPM wt.): 3,649

SPECIFIC GRAVITY: 1.014

PARTICLE SIZE DIST. (MICRONS/100 mL)

MICRONS 5-15:	530,444
MICRONS 15-25:	15,320
MICRONS 25-50:	528
MICRONS 50-100:	32
MICRONS 100+:	4
NAS CLASS:	12

WEAR METAL ANALYSIS (PPM)

ALUMINUM:	<0.1
IRON:	<0.1
COPPER:	0.1
NICKEL:	<0.1
CHROMIUM:	2.4
SILVER:	<0.1
LEAD:	<0.1
SILICON:	0.6
MAGNESIUM:	<0.1

ELEMENTAL ANALYSIS (PPM)

CALCIUM:	2.8
SODIUM:	0.1
CHLORINE:	66
SULPHUR:	153
POTASSIUM:	2

REMARKS: PARTICLES APPEAR ABNORMAL AT NAS CLASS 12, NAS CLASS 9 OR BETTER IS RECOMMENDED. ALL OTHER TEST RESULTS APPEAR NORMAL.