

## **OIL ANALYSIS REPORT**

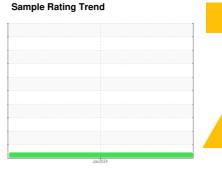
# [1001072353]

[C-FMXA] BOEING 737 MAX C-FMXA (S/N 276A3100-11)

B Hydraulic System

Fluid

SKYDROL LD-4 (--- GAL)





### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

#### Wear

All component wear rates are normal.

#### Contamination

The water content is negligible. There is no indication of any contamination in the oil. The system and fluid cleanliness is acceptable.

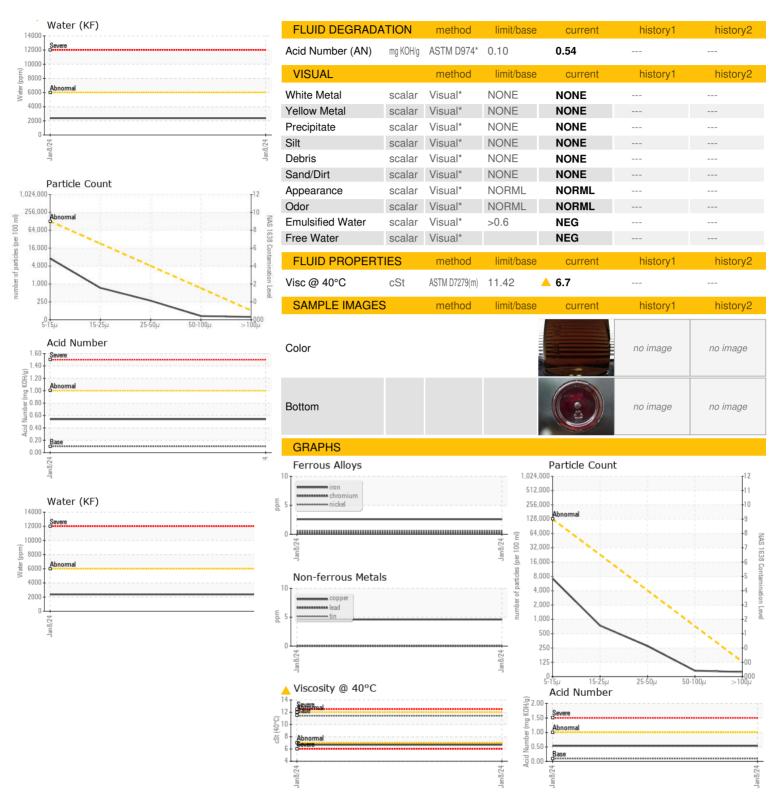
#### Fluid Condition

The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Jan2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0881032		
Sample Date		Client Info		08 Jan 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	3		
Chromium	ppm	ASTM D5185(m)	>10	<1		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>10	<1		
Lead	ppm	ASTM D5185(m)	>20	0		
Copper	ppm	` ,	>20	5		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		4		
	ррпп	( /		7		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<1		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	0	0		
Calcium	ppm	ASTM D5185(m)	0	2		
Phosphorus	ppm	ASTM D5185(m)	20000	37483		
Zinc	ppm	ASTM D5185(m)	0	2		
Sulfur	ppm	ASTM D5185(m)	1900	1571		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	<1		
Sodium	ppm	ASTM D5185(m)		4		
Potassium	ppm	ASTM D5185(m)	>20	20		
Water	%	ASTM D6304*	>0.6	0.237		
ppm Water	ppm	ASTM D6304*	>6000	2378		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles 5-15µm	count	NAS 1638	>128000	7221		
Particles 15-25µm	count	NAS 1638	>22800	741		
Particles 25-50µm	count	NAS 1638	>4050	275		
Particles 50-100µm	count	NAS 1638	>720	52		
Particles >100um	count	NAS 1638	>128	40		
Particles >100μm NAS 1638	count	NAS 1638 NAS 1638		40 8		



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: WC0881032 : 02607636 : 5708722

Recieved : 09 Jan 2024 Diagnosed

: 15 Jan 2024 Diagnostician : Kevin Marson Test Package : IND 2 ( Additional Tests: KF, PrtCount, TAN Man )

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

**SUNWING AIRLINES** 

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