



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
BOEING B737-800 HYDRAULIC RES "A" (S/N 41608)

Component
A Hydraulic System

Fluid
MOBIL HYJET IV-4A PLUS (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0881031	WC0760736	---
Sample Date		Client Info		06 Apr 2024	16 Jan 2023	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	2	6	---
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>10	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	---
Lead	ppm	ASTM D5185(m)	>20	0	0	---
Copper	ppm	ASTM D5185(m)	>20	4	4	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

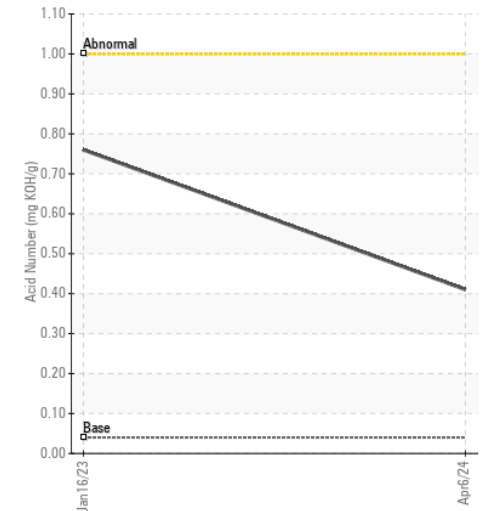
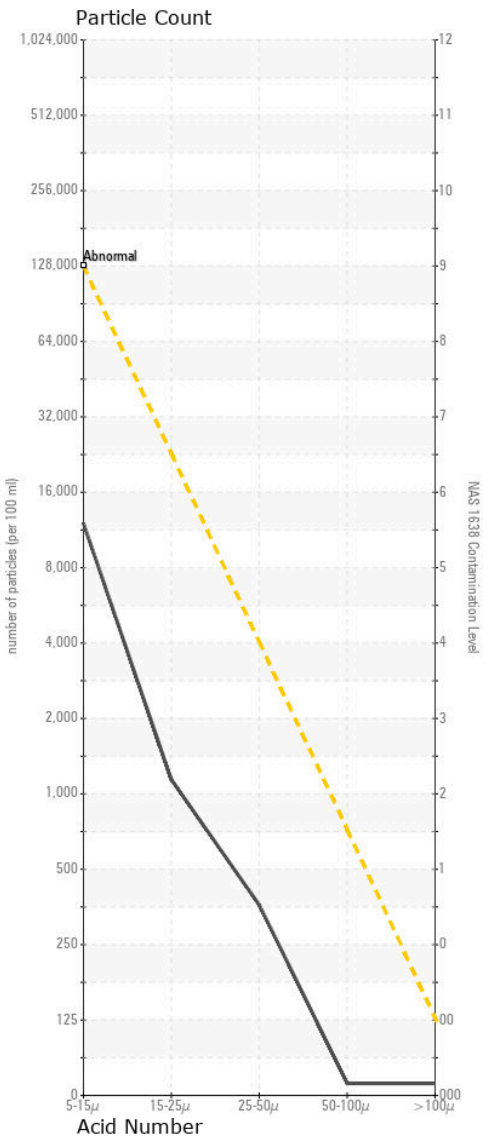
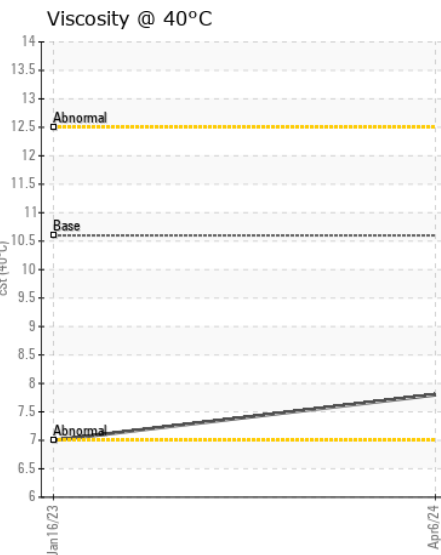
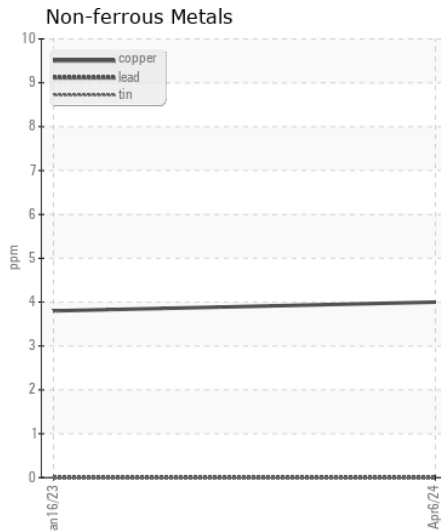
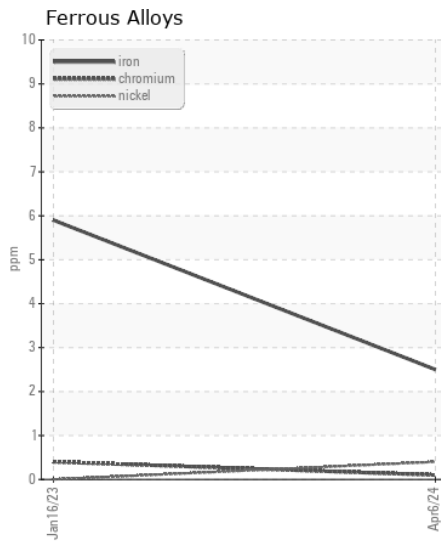
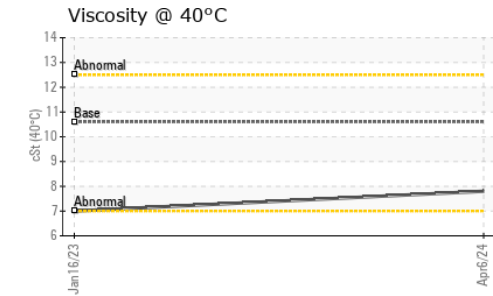
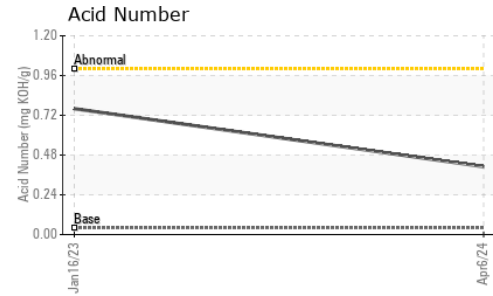
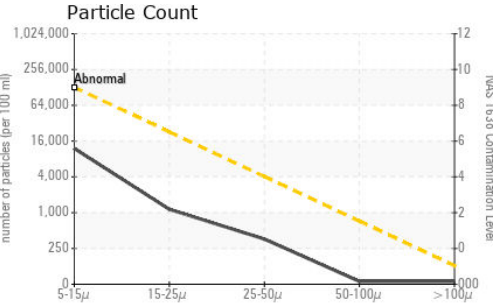
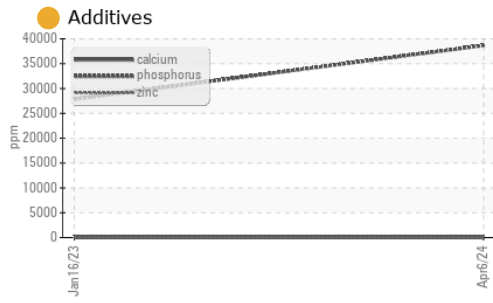
There is no indication of any contamination in the oil. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>15	<1	2	---
Potassium	ppm	ASTM D5185(m)	>20	20	20	---
Water		WC Method	>0.05	NEG	NEG	---
Particles 5-15µm	count	NAS 1638	>128000	12033	▲ 218424	---
Particles 15-25µm	count	NAS 1638	>22800	1140	▲ 13942	---
Particles 25-50µm	count	NAS 1638	>4050	360	▲ 6206	---
Particles 50-100µm	count	NAS 1638	>720	20	▲ 536	---
Particles >100µm	count	NAS 1638	>128	20	▲ 200	---
NAS 1638	Class	NAS 1638	>9	7	10	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		2	4	---
Boron	ppm	ASTM D5185(m)		1	4	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		<1	<1	---
Calcium	ppm	ASTM D5185(m)	103	● 4	<1	---
Phosphorus	ppm	ASTM D5185(m)		38654	27869	---
Zinc	ppm	ASTM D5185(m)		2	3	---
Sulfur	ppm	ASTM D5185(m)	224	● 1462	1543	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.04	0.41	0.76	---
Visc @ 40°C	cSt	ASTM D7279(m)	10.6	7.8	7	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0881031 **Received** : 30 Apr 2024
Lab Number : 02632324 **Tested** : 01 May 2024
Unique Number : 5773477 **Diagnosed** : 01 May 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: 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.

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