



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[466]
 Machine Id
CRJ 200 7937 HYD SYS #2
 Component
2 Hydraulic System
 Fluid
SKYDROL LD-4 (--- GAL)

RECOMMENDATION

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		WC0696304	WC0696310	---
Sample Date		Client Info		08 Sep 2023	07 Sep 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				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	1	4	---
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>10	0	<1	---
Lead	ppm	ASTM D5185(m)	>20	0	<1	---
Copper	ppm	ASTM D5185(m)	>20	<1	2	---
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

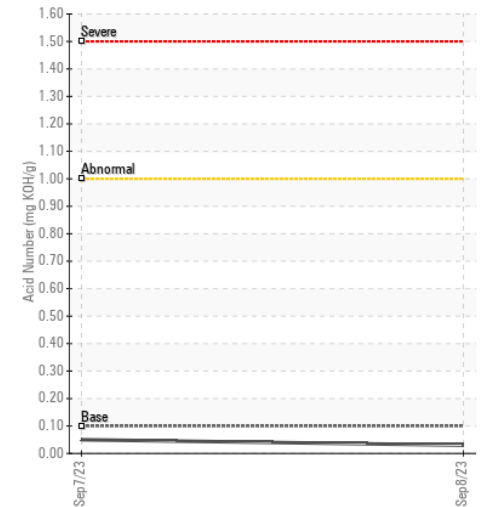
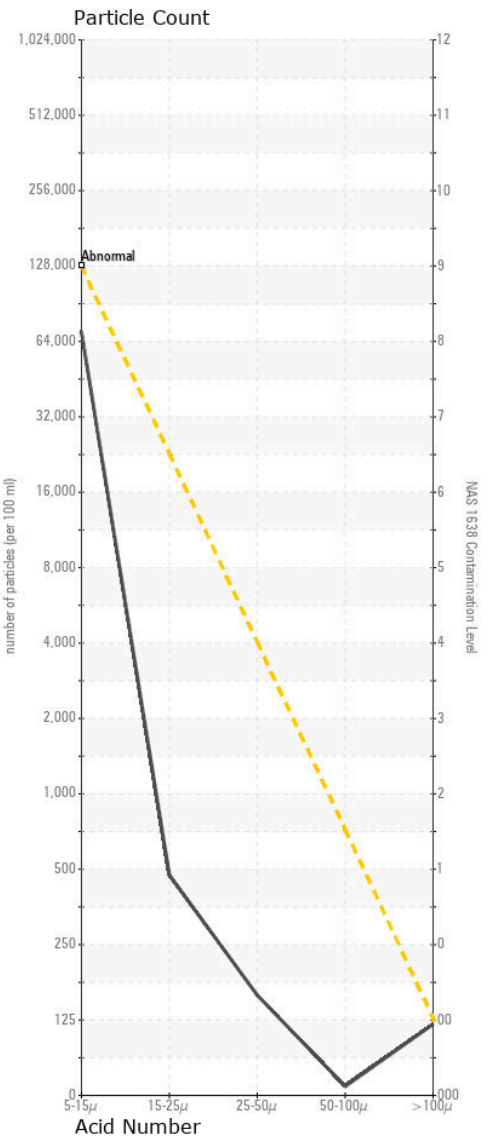
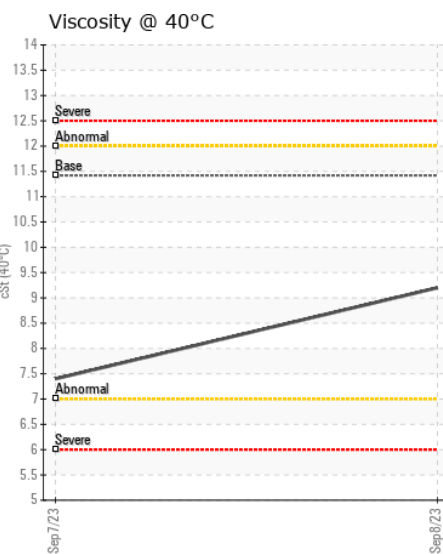
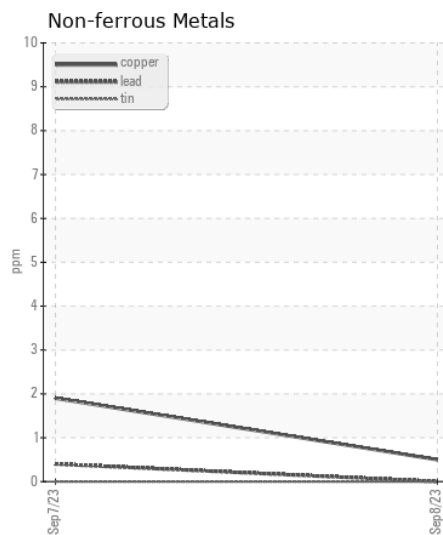
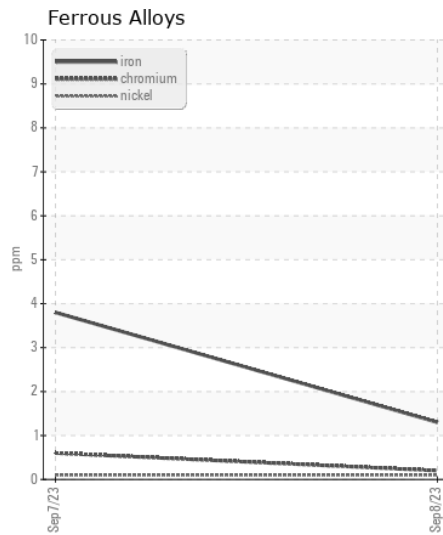
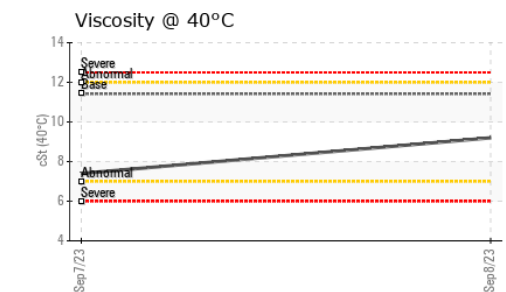
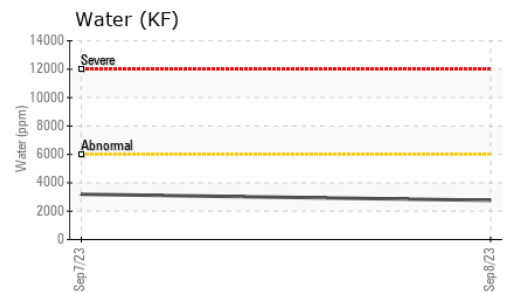
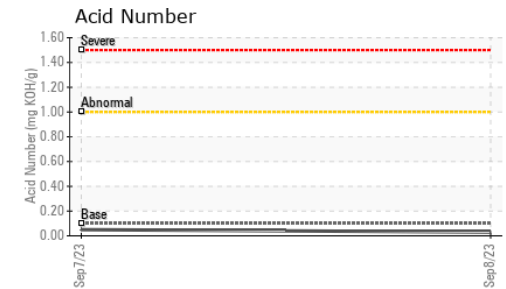
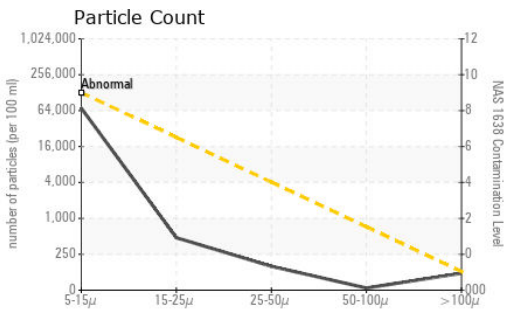
The water content is negligible. There is no indication of any contamination in the oil. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>15	2	4	---
Potassium	ppm	ASTM D5185(m)	>20	21	23	---
Water	%	ASTM D6304*	>0.6	0.276	0.319	---
ppm Water	ppm	ASTM D6304*	>6000	2764.0	3193.4	---
Particles 5-15µm	count	NAS 1638	>128000	70209	13929	---
Particles 15-25µm	count	NAS 1638	>22800	474	586	---
Particles 25-50µm	count	NAS 1638	>4050	157	321	---
Particles 50-100µm	count	NAS 1638	>720	15	14	---
Particles >100µm	count	NAS 1638	>128	118	68	---
NAS 1638	Class	NAS 1638	>9	9	9	---
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*	>0.6	NEG	NEG	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		2	3	---
Boron	ppm	ASTM D5185(m)	0	3	6	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)	0	<1	<1	---
Calcium	ppm	ASTM D5185(m)	0	8	25	---
Phosphorus	ppm	ASTM D5185(m)	20000	28775	28955	---
Zinc	ppm	ASTM D5185(m)	0	2	6	---
Sulfur	ppm	ASTM D5185(m)	1900	1521	1415	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	0.03	0.05	---
Visc @ 40°C	cSt	ASTM D7279(m)	11.42	9.2	7.4	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0696304
Lab Number : 02582639
Unique Number : 5643704
Test Package : IND 2 (Additional Tests: KF, PrtCountNAS, TAN Man)

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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.