



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ATTENTION</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**Store 4 - Fairmont**  
Machine Id  
**BANDIT 15XPC 4FMUS1819NR523509**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (12 GAL)**

## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0046695</b>	---	---
Sample Date		Client Info		<b>20 Feb 2024</b>	---	---
Machine Age	hrs	Client Info		<b>97</b>	---	---
Oil Age	hrs	Client Info		<b>97</b>	---	---
Filter Age	hrs	Client Info		<b>97</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ATTENTION</b>	---	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>15</b>	---	---
Iron	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Lead	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>75	<b>2</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

## CONTAMINATION

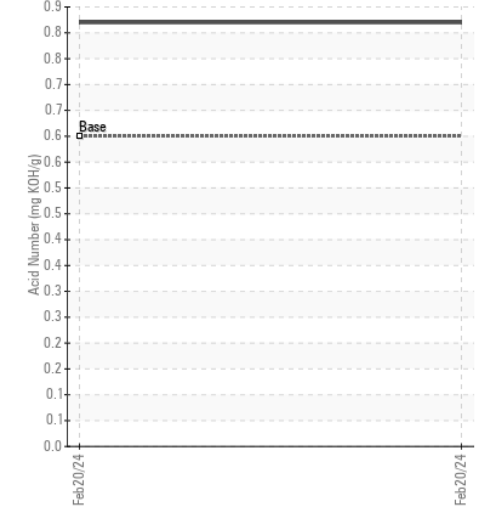
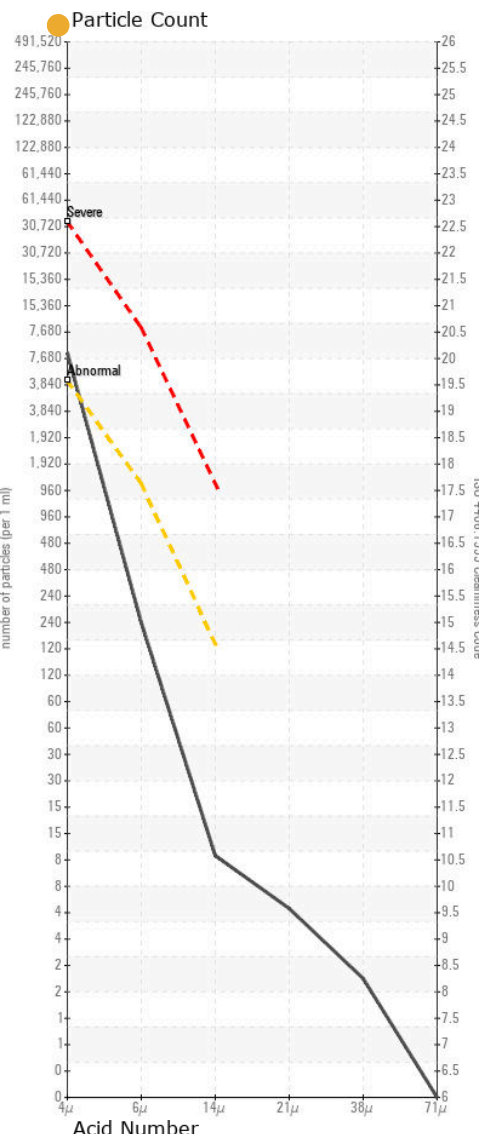
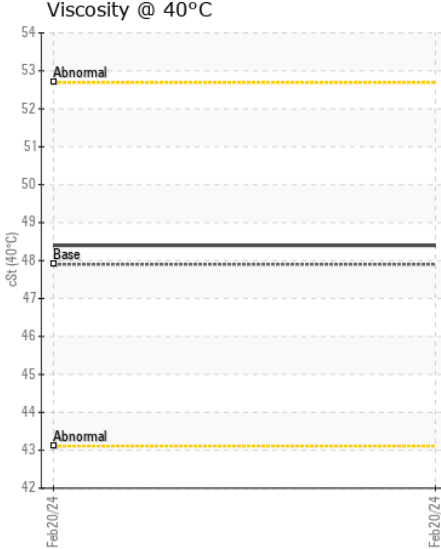
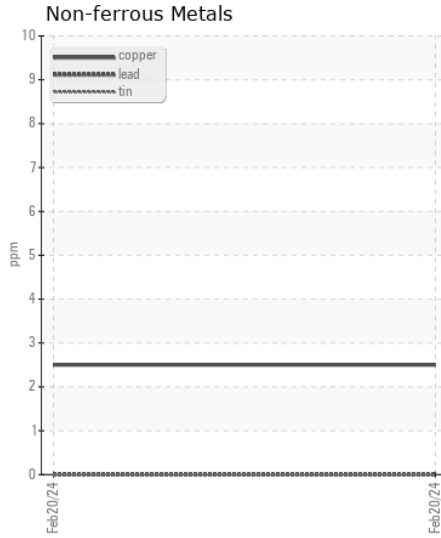
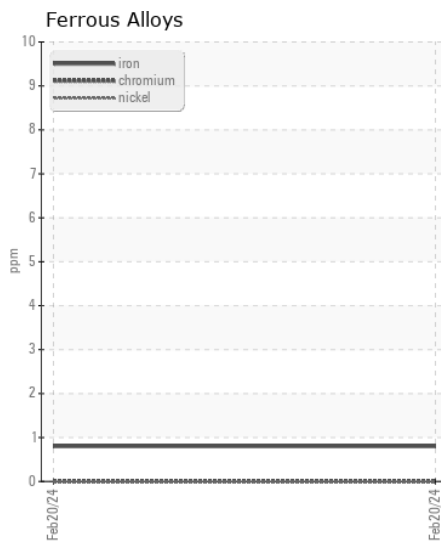
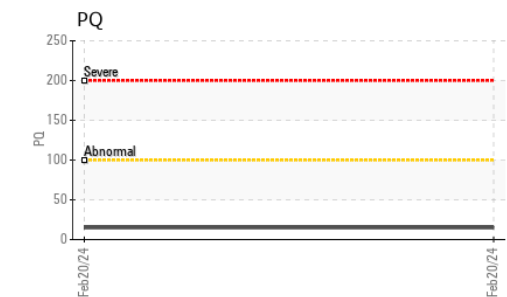
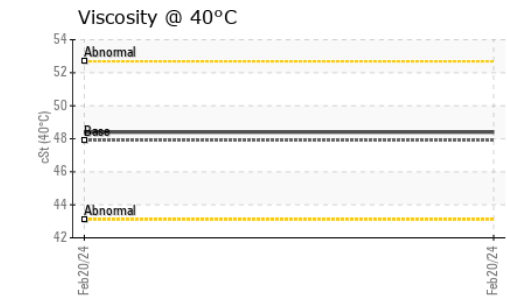
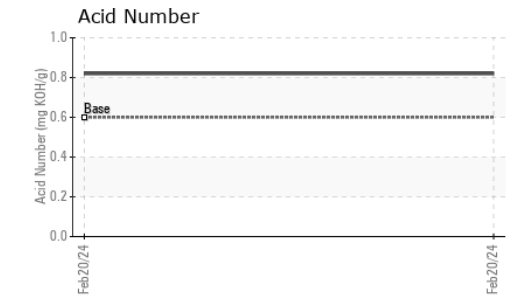
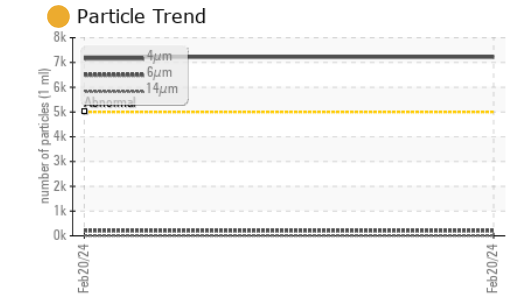
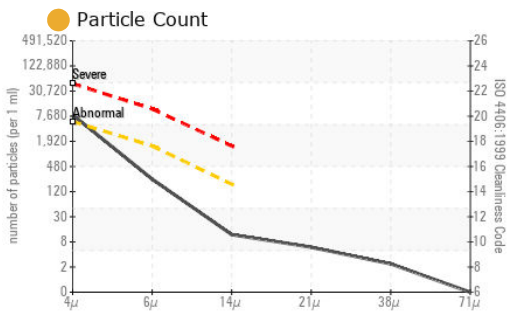
There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Particles >4µm		ASTM D7647	>5000	<b>7219</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>211</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>10</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>5</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>2</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/15/10</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Boron	ppm	ASTM D5185m	0	<b>0</b>	---	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m	1	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185m	0	<b>0</b>	---	---
Calcium	ppm	ASTM D5185m	100	<b>118</b>	---	---
Phosphorus	ppm	ASTM D5185m	670	<b>717</b>	---	---
Zinc	ppm	ASTM D5185m	850	<b>950</b>	---	---
Sulfur	ppm	ASTM D5185m	1600	<b>1870</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.60	<b>0.82</b>	---	---
Visc @ 40°C	cSt	ASTM D445	47.9	<b>48.4</b>	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0046695 **Received** : 29 Feb 2024  
**Lab Number** : 06105102 **Tested** : 06 Mar 2024  
**Unique Number** : 10903332 **Diagnosed** : 06 Mar 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)