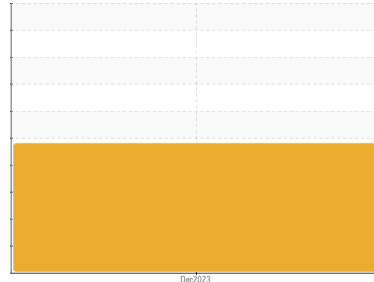


# OIL ANALYSIS REPORT

Sample Rating Trend



**CONTAMINANT**



Machine Id  
**FLUIDA MIXTURE 5**

Component  
**New (Unused) Oil**

Fluid  
**90% HYDREX MV 46 10% AFD AWARD HD 46 (--- GAL)**

**DIAGNOSIS**

**▲ Recommendation**

This is a baseline read-out on the submitted sample.

**Wear**

{not applicable}

**▲ Contamination**

Separability (Water) % is marginally low.

**▲ Fluid Condition**

Foam Tendency and foaming tendency stage 1 and foaming tendency stage 3 are abnormally high. Separability % is marginally low.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PC</b>	---	---
Sample Date	Client Info		<b>18 Dec 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

**CONTAMINATION**

	method	limit/base	current	history1	history2
Water	WC Method		<b>NEG</b>	---	---

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	<b>0</b>	---	---
Chromium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>1</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	<b>562</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>2</b>	---	---
Sulfur	ppm	ASTM D5185(m)	<b>1256</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>0</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	---	---

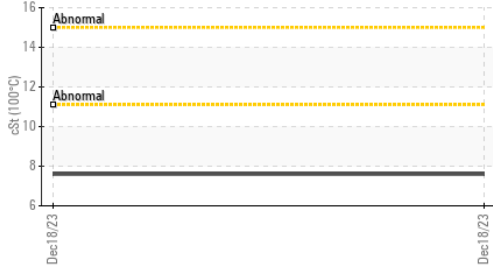
# OIL ANALYSIS REPORT

**▲ Water Separability**



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</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*		<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

**Viscosity @ 100°C**



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>43.6</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	<b>7.6</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	<b>142</b>	---	---
Separability	oil/h2o/em	ASTM D1401*	<b>▲ 42/38/0 (15)</b>	---	---
Foam Tendency	I/II/III	ASTM D892*	<b>▲ 220/20/90</b>	---	---
Foam Stability	I/II/III	ASTM D892*	<b>0/0/0</b>	---	---

**Viscosity @ 40°C**



**SAMPLE IMAGES**

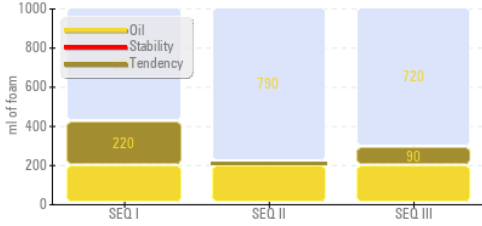
	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

**Viscosity @ 40°C**



**GRAPHS**

**▲ Foaming SEQ I/II/III**



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Petro-Canada Technical/Peter Harteveid**  
**Sample No.** : PC **Recieved** : 19 Dec 2023  
**Lab Number** : **02604300** **Diagnosed** : 04 Jan 2024  
**Unique Number** : 5697385 **Diagnostician** : Bill Quesnel  
**Test Package** : TEST ( Additional Tests: Foaming, H2OSeparability, ICP, KV100, KV40, Spat, VI ) **Contact: Peter Harteveid**

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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