



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

Machine Id  
**DOOSAN PX225 2310800**

Component  
**Hydraulic System**

Fluid  
**PETRO CANADA HYDREX AW 46 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

**WEAR**

All component wear rates are normal.

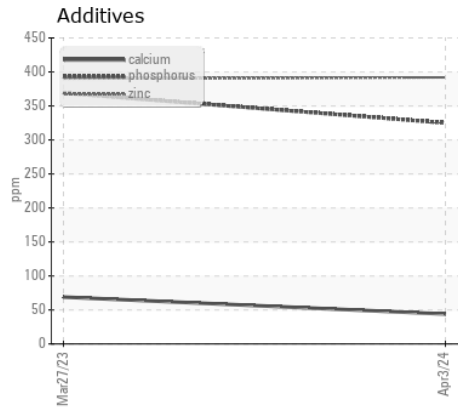
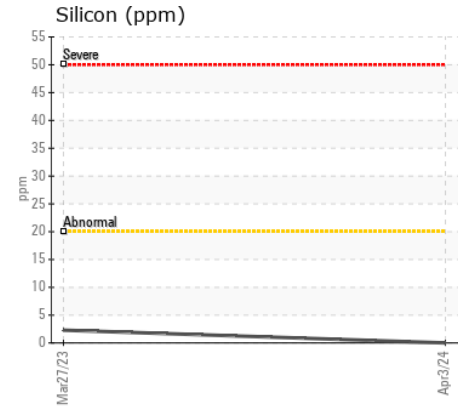
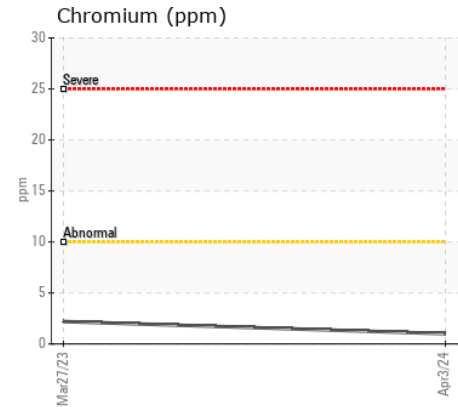
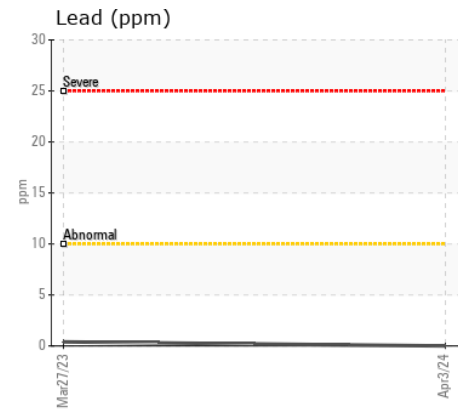
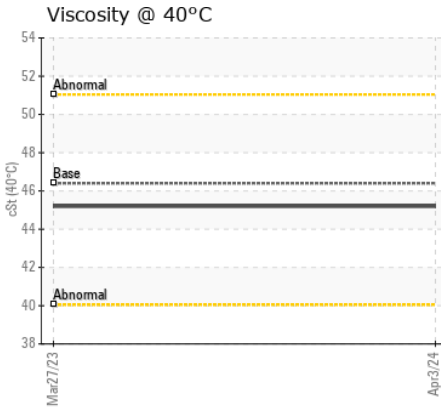
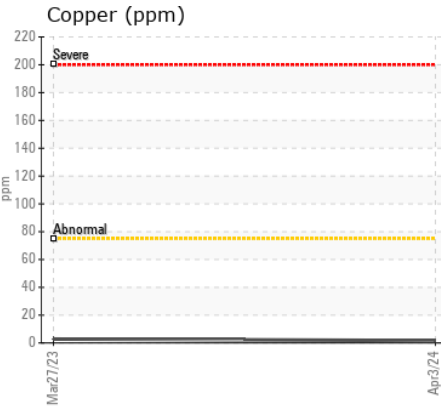
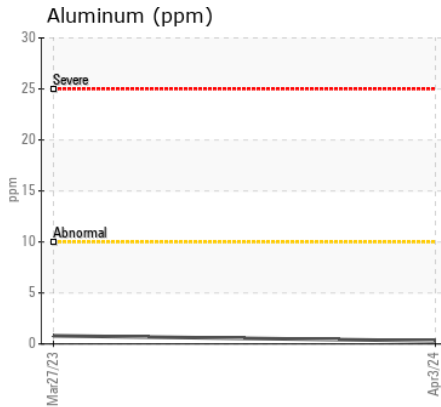
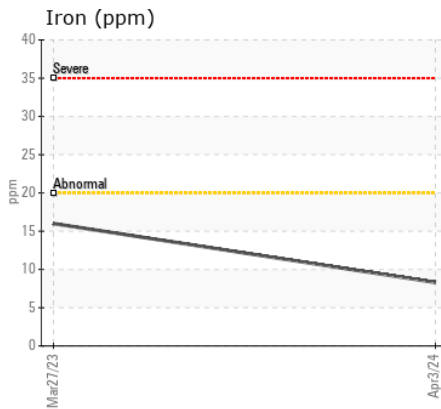
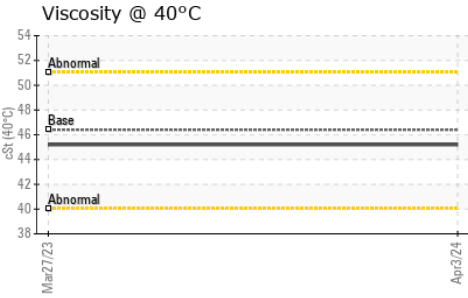
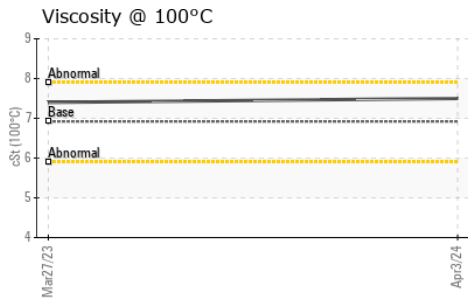
**CONTAMINATION**

There is no indication of any contamination in the component(unconfirmed).

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0084809</b>	PC0071623	---
Sample Date		Client Info		<b>03 Apr 2024</b>	27 Mar 2023	---
Machine Age	hrs	Client Info		<b>12997</b>	12421	---
Oil Age	hrs	Client Info		<b>3000</b>	2000	---
Filter Age	hrs	Client Info		<b>800</b>	1500	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---
Iron	ppm	ASTM D5185(m)	>20	<b>8</b>	16	---
Chromium	ppm	ASTM D5185(m)	>10	<b>1</b>	2	---
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>75	<b>2</b>	3	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185(m)	>20	<b>0</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	8	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---
Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Boron	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	2	---
Calcium	ppm	ASTM D5185(m)	50	<b>44</b>	69	---
Phosphorus	ppm	ASTM D5185(m)	330	<b>325</b>	369	---
Zinc	ppm	ASTM D5185(m)	430	<b>392</b>	390	---
Sulfur	ppm	ASTM D5185(m)	760	<b>765</b>	888	---
Visc @ 40°C	cSt	ASTM D7279(m)	46.4	<b>45.2</b>	45.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.92	<b>7.5</b>	7.4	---
Viscosity Index (VI)	Scale	ASTM D2270*	104	<b>131</b>	127	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0084809 **Received** : 19 Apr 2024  
**Lab Number** : 02630272 **Tested** : 19 Apr 2024  
**Unique Number** : 5763404 **Diagnosed** : 19 Apr 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

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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