

#### Area Tractors Machine Id

# Component Hydraulic System

## PETRO CANADA DURATRAN (--- LTR)

RECOMMENDATION	
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Resample at the next service interval to monitor.

#### WEAR

All component wear rates are normal.

#### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

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

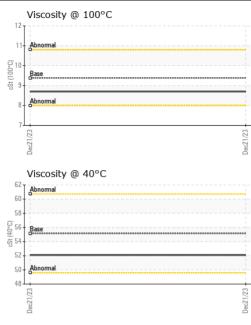
Sample Number     Client Info     PC0074916         Sample Date     Client Info     21 Dec 2023         Machine Age     hrs     Client Info     0         Oil Age     hrs     Client Info     0          Filter Age     hrs     Client Info     N/A          Oil Changed     Client Info     N/A           Filter Changed     Client Info     N/A           Fron     ppm     ASTM D5185(m)<>20     2          Iron     ppm     ASTM D5185(m)<>10     0          Nickel     ppm     ASTM D5185(m)<>10     0          Aluminum     ppm     ASTM D5185(m)<>10     0          Audinum     ppm     ASTM D5185(m)<>10     0							
Sample Date     Client Info     21 Dec 2023         Machine Age     hrs     Client Info     8363         Oil Age     hrs     Client Info     0         Filter Age     hrs     Client Info     N/A         Filter Changed     Client Info     N/A         Filter Changed     Client Info     N/A         Sample Status     Client Info     N/A         Tron     ppm     ASTM D5185(m)<>20     2         Chromium     ppm     ASTM D5185(m)     10     0        Nickel     ppm     ASTM D5185(m)     10     0        Aluminum     ppm     ASTM D5185(m)     >10     0        Aluminum     ppm     ASTM D5185(m)     >10     0        Adadium     ppm     ASTM D5185(m)     >10     0        Yana	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age     hrs     Client Info     8363         Oil Age     hrs     Client Info     0         Filter Age     hrs     Client Info     0         Oil Changed     Client Info     N/A         Filter Changed     Client Info     N/A         Sample Status     Client Info     N/A         Iron     ppm     ASTM D5185(m)<>20     2         Chromium     ppm     ASTM D5185(m)<>10     0         Nickel     ppm     ASTM D5185(m)<>10     0         Aluminum     ppm     ASTM D5185(m)<>10     0         Aluminum     ppm     ASTM D5185(m)<>10     0         Age     ppm     ASTM D5185(m)<>10     0         Vanadium     ppm     ASTM D5185(m)<>10     0	Sample Number		Client Info		PC0074916		
Oil AgehrsClient Info0Filter AgehrsClient InfoN/AOil ChangedClient InfoN/AFilter ChangedQClient InfoN/ASample StatusClient InfoN/AIronppmASTM D5185(m)>202ChromiumppmASTM D5185(m)>100NickelppmASTM D5185(m)>100SilverppmASTM D5185(m)>101AluminumppmASTM D5185(m)>101LeadppmASTM D5185(m)>100CopperppmASTM D5185(m)>100VanadiumppmASTM D5185(m)>100Vinite MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>208SiliconppmASTM D5185(m)>204SiliconppmASTM D5185(m)>204SiliconppmASTM D5185(m)>204SiliconscalarVisual*NONENONESolidumppmASTM D5185(m)>20 <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>21 Dec 2023</th> <th></th> <th></th>	Sample Date		Client Info		21 Dec 2023		
Filter Age Oil ChangedhrsClient Info0Oil ChangedClient InfoN/AFilter ChangedClient InfoN/ASample StatusClient InfoN/ASample StatusNORMALIronppmASTM D5185(m)>202ChromiumppmASTM D5185(m)>100NickelppmASTM D5185(m)>100SilverppmASTM D5185(m)>101AluminumppmASTM D5185(m)>101LeadppmASTM D5185(m)>100YanadiumppmASTM D5185(m)>100YanadiumppmASTM D5185(m)>100Yellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>208SiliconppmASTM D5185(m)>204SiliconppmASTM D5185(m)>204SiliconppmASTM D5185(m)>204SiliconscalarVisual*NONENONESiliconscalarVisual*NONENONE	Machine Age	hrs	Client Info		8363		
Oli ChangedClient InfoIvAIII and Ital and	Oil Age	hrs	Client Info		0		
Filter ChangedClient InfoN/ASample StatusClient InfoN/AIronppmASTM D5185(m)>202ChromiumppmASTM D5185(m)>100NickelppmASTM D5185(m)>100NickelppmASTM D5185(m)>100SilverppmASTM D5185(m)>101AluminumppmASTM D5185(m)>101LeadppmASTM D5185(m)>100CopperppmASTM D5185(m)>100TinppmASTM D5185(m)>100VanadiumppmASTM D5185(m)>100Yellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>208SiliconppmASTM D5185(m)>208SiliconppmASTM D5185(m)>208SilitscalarVisual*NONESilitscalarVisual*NONENONESodiumppmASTM D5185(m)>0.1NORMLSilitscalarVisual*NONESodiumppmASTM D5185(m)>0.1NORMLSodiumppmASTM D5185(m)>0.1 </th <th>Filter Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>0</th> <th></th> <th></th>	Filter Age	hrs	Client Info		0		
Sample Status     NORMAL         Iron     ppm     ASTM D5185(m)     >20     2         Chromium     ppm     ASTM D5185(m)     >10     0         Nickel     ppm     ASTM D5185(m)     >10     0         Titanium     ppm     ASTM D5185(m)     >10     0         Aluminum     ppm     ASTM D5185(m)     >10     1         Aluminum     ppm     ASTM D5185(m)     >10     0         Lead     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >10     0         Vanadum     ppm     ASTM D5185(m)     >10     0	Oil Changed		Client Info		N/A		
IronppmASTM D5185(m)>202ChromiumppmASTM D5185(m)>100NickelppmASTM D5185(m)>100TitaniumppmASTM D5185(m)0SilverppmASTM D5185(m)>101AluminumppmASTM D5185(m)>101LeadppmASTM D5185(m)>100CopperppmASTM D5185(m)>100VanadiumppmASTM D5185(m)>100VanadiumppmASTM D5185(m)>100VanadiumppmASTM D5185(m)>208SiliconppmASTM D5185(m)>208Yellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>208SiliconppmASTM D5185(m)>204SiliconscalarVisual*NONENONESiliconscalarVisual*NONENONESiliconscalarVisual*NONENONESodiumppmASTM D5185(mNORMNORME	Filter Changed		Client Info		N/A		
Chromium     ppm     ASTM D5185(m)     >10     0         Nickel     ppm     ASTM D5185(m)     >10     0         Titanium     ppm     ASTM D5185(m)     0         Silver     ppm     ASTM D5185(m)     >10     1         Aluminum     ppm     ASTM D5185(m)     >10     0         Lead     ppm     ASTM D5185(m)     >10     0         Copper     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >20     8	Sample Status				NORMAL		
Chromium     ppm     ASTM D5185(m)     >10     0         Nickel     ppm     ASTM D5185(m)     >10     0         Titanium     ppm     ASTM D5185(m)     0         Silver     ppm     ASTM D5185(m)     >10     1         Aluminum     ppm     ASTM D5185(m)     >10     0         Lead     ppm     ASTM D5185(m)     >10     0         Copper     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >20     8					• • • • • • • • • • • • • • • • • • • •		
Nickel     ppm     ASTM D5185(m)     >10     0         Titanium     ppm     ASTM D5185(m)     0     0         Silver     ppm     ASTM D5185(m)     0     1         Aluminum     ppm     ASTM D5185(m)     >10     1         Lead     ppm     ASTM D5185(m)     >10     0         Copper     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >0     0         Vanadium     ppm     ASTM D5185(m)     >20     8         Yellow Metal     scalar     Visual*     NONE     NONE         Silicon     ppm </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Titanium     ppm     ASTM D5185(m)     I     O      I       Silver     ppm     ASTM D5185(m)     I     O      I       Aluminum     ppm     ASTM D5185(m)     >10     1     I     I       Lead     ppm     ASTM D5185(m)     >10     O     I     I       Copper     ppm     ASTM D5185(m)     >10     O     I     I       Vanadium     ppm     ASTM D5185(m)     NONE     NONE     I     I       Vanadium     ppm     ASTM D5185(m)     >20     8     I     I       Silicon     ppm     ASTM D5185(m)     >20     4     I							
SilverppmASTM D5185(m)0AluminumppmASTM D5185(m)>101LeadppmASTM D5185(m)>100CopperppmASTM D5185(m)>75<1TinppmASTM D5185(m)>100VanadiumppmASTM D5185(m)>100White MetalscalarVisual*NONENONEYellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>204SiliconppmASTM D5185(m)>204SiliconppmASTM D5185(m)>204SilitscalarVisual*NONENONESilitscalarVisual*NONENONEAppearancescalarVisual*NORMNORMLAppearancescalarVisual*NORMNORMLSodiumppmASTM D5185(m)11094BoronppmASTM D5185(m)0.00MagnesiumppmASTM D5185(m)1319MagnesiumppmASTM D5185(m)1319 </th <th></th> <th></th> <th></th> <th>&gt;10</th> <th>-</th> <th></th> <th></th>				>10	-		
Aluminum     ppm     ASTM D5185(m)     >10     1        Lead     ppm     ASTM D5185(m)     >10     0         Copper     ppm     ASTM D5185(m)     >10     0         Tin     ppm     ASTM D5185(m)     >10     0         Vanadium     ppm     ASTM D5185(m)     >20     R         Vellow Metal     scalar     Visual*     NONE     NONE         Silicon     ppm     ASTM D5185(m)     >20     4         Silit     scalar     Visual*     NONE     NONE         Sand/Dirt     scalar     <		ppm	1				
Lead     ppm     ASTM D5185(m)     >10     0        Copper     ppm     ASTM D5185(m)     >75     <1        Tin     ppm     ASTM D5185(m)     >10     0        Vanadium     ppm     ASTM D5185(m)     >10     0        Vanadium     ppm     ASTM D5185(m)     >10     0        White Metal     scalar     Visual*     NONE     NONE        Yellow Metal     scalar     Visual*     NONE         Silicon     ppm     ASTM D5185(m)     >20     8         Silicon     ppm     ASTM D5185(m)     >20     4         Silicon     ppm     ASTM D5185(m)     >20     4         Silicon     ppm     ASTM D5185(m)     >20     4         Silit     scalar     Visual*     NONE     NORE         Sa				10	-		
Copper     ppm     ASTM D5185(m)     >75     <1		ppm	· /		-		
TinppmASTM D5185(m)>100VanadiumppmASTM D5185(m)C0White MetalscalarVisual*NONENONEYellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>208PotassiumppmASTM D5185(m)>204WaterWC Method>0.1NEGSiliscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLGodorscalarVisual*NORMLNORMLSodiumppmASTM D5185(m)>0.1NEGSodiumppmASTM D5185(m)11094BoronppmASTM D5185(m)0.00ManganeseppmASTM D5185(m)10MagnesiumppmASTM D5185(m)1319			( )		-		
VanadiumppmASTM D5185(m)OOWhite MetalscalarVisual*NONENONEYellow MetalscalarVisual*NONENONEYellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>208PotassiumppmASTM D5185(m)>204WaterWC Method>0.1NEGSilitscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLGodorscalarVisual*NORMLNORMLSodiumppmASTM D5185(m)>0.1NEGBoronppmASTM D5185(m)0.00MalganeseppmASTM D5185(m)1.00ManganeseppmASTM D5185(m)1.319CalciumppmASTM D5185(m)36103373	••	ppm	ASTM D5185(m)	>75			
White MetalscalarVisual*NONENONEYellow MetalscalarVisual*NONENONESiliconppmASTM D5185(m)>208PotassiumppmASTM D5185(m)>204WaterWC Method>0.1NEGSilitscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NORENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLSodiumppmASTM D5185(m)1094BariumppmASTM D5185(m)0.00MalganeseppmASTM D5185(m)110MagnesiumppmASTM D5185(m)1319	Tin	ppm	ASTM D5185(m)	>10	0		
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PotassiumppmASTM D5185(m)>204WaterWC Method>0.1NEGSiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLSodiumppmASTM D5185(m)50.1NEGBoronppmASTM D5185(m)11094MalganeseppmASTM D5185(m)0.00MagnesiumppmASTM D5185(m)1319MagnesiumppmASTM D5185(m)36103373	Yellow Metal	scalar	Visual*	NONE	NONE		
PotassiumppmASTM D5185(m)>204WaterWC Method>0.1NEGSiltscalarVisual*NONENONEDebrisscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLSodiumppmASTM D5185(m)11094BariumppmASTM D5185(m)0.00MalganeseppmASTM D5185(m)1319MagnesiumppmASTM D5185(m)36103373	Silicon	nnm	ASTM D5185(m)	<2∩	ß		
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Sand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.1NEGSodiumppmASTM D5185(m)11094BoronppmASTM D5185(m)0.00BariumppmASTM D5185(m)0.00MalganeseppmASTM D5185(m)10MagnesiumppmASTM D5185(m)1319CalciumppmASTM D5185(m)36103373							
AppearancescalarVisual*NORMLNORMLOdorscalarVisual*NORMLNORMLEmulsified WaterscalarVisual*>0.1NEGSodiumppmASTM D5185(m)BoronppmASTM D5185(m)0.00BariumppmASTM D5185(m)0.00MolybdenumppmASTM D5185(m)10ManganeseppmASTM D5185(m)1319CalciumppmASTM D5185(m)36103373					-		
Odor     scalar     Visual*     NORML     NORML        Emulsified Water     scalar     Visual*     >0.1     NEG        Sodium     ppm     ASTM D5185(m)      <1         Boron     ppm     ASTM D5185(m)     110     94         Barium     ppm     ASTM D5185(m)     0.0     0         Molybdenum     ppm     ASTM D5185(m)     0.0     0         Manganese     ppm     ASTM D5185(m)     1     0         Calcium     ppm     ASTM D5185(m)     3610     3373					_		
Emulsified Water     scalar     Visual*     >0.1     NEG        Sodium     ppm     ASTM D5185(m)      <1         Boron     ppm     ASTM D5185(m)     110     94         Barium     ppm     ASTM D5185(m)     0.0     0         Molybdenum     ppm     ASTM D5185(m)     0.0     0         Manganese     ppm     ASTM D5185(m)     1     0         Magnesium     ppm     ASTM D5185(m)     3610     3373					-		
Sodium     ppm     ASTM D5185(m)     <1					-		
Boron     ppm     ASTM D5185(m)     110     94        Barium     ppm     ASTM D5185(m)     0.0     0         Molybdenum     ppm     ASTM D5185(m)     0.0     0         Manganese     ppm     ASTM D5185(m)     1     0         Magnesium     ppm     ASTM D5185(m)     13     19         Calcium     ppm     ASTM D5185(m)     3610     3373		Scalai	visuai	>0.1	NEG		
Barium     ppm     ASTM D5185(m)     0.0     0         Molybdenum     ppm     ASTM D5185(m)     0.0     0         Manganese     ppm     ASTM D5185(m)     1     0         Magnesium     ppm     ASTM D5185(m)     13     19         Calcium     ppm     ASTM D5185(m)     3610     3373	Sodium	ppm	ASTM D5185(m)		<1		
Molybdenum     ppm     ASTM D5185(m)     0.0     0         Manganese     ppm     ASTM D5185(m)     1     0         Magnesium     ppm     ASTM D5185(m)     13     19         Calcium     ppm     ASTM D5185(m)     3610     3373	Boron	ppm	ASTM D5185(m)	110	94		
Manganese     ppm     ASTM D5185(m)     1     0        Magnesium     ppm     ASTM D5185(m)     13     19         Calcium     ppm     ASTM D5185(m)     3610     3373	Barium	ppm	ASTM D5185(m)	0.0	0		
Magnesium     ppm     ASTM D5185(m)     13     19         Calcium     ppm     ASTM D5185(m)     3610     3373	Molybdenum	ppm	ASTM D5185(m)	0.0	0		
Calcium ppm ASTM D5185(m) 3610 3373	Manganese	ppm	ASTM D5185(m)	1	0		
Calcium ppm ASTM D5185(m) 3610 3373	Magnesium	ppm	ASTM D5185(m)	13	19		
	Calcium		ASTM D5185(m)	3610	3373		
	Phosphorus	ppm	ASTM D5185(m)	1192	1106		
Zinc ppm ASTM D5185(m) 1455 1339	•		ASTM D5185(m)		1339		
Sulfur ppm ASTM D5185(m) 2641 2722	Sulfur		ASTM D5185(m)	2641	2722		
Visc @ 40°C cSt ASTM D7279(m) 55.14 52.1	Visc @ 40°C		ASTM D7279(m)				
Visc @ 100°C cSt ASTM D7279(m) 9.38 8.7	-				8.7		

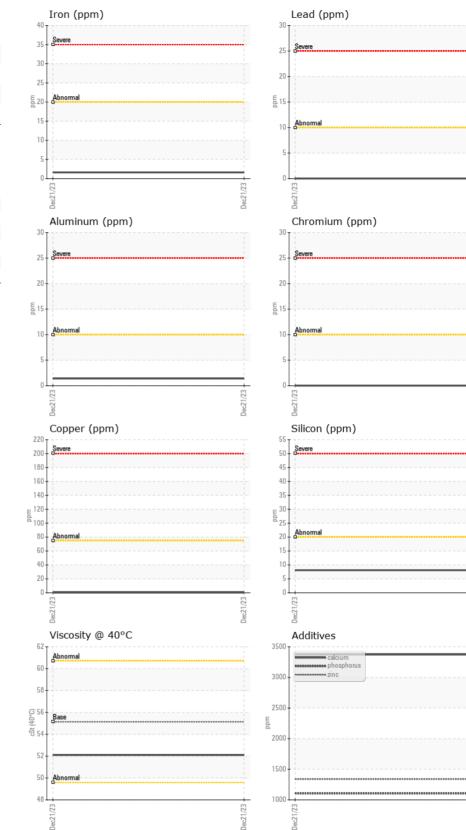
Viscosity Index (VI) Scale ASTM D2270\* 153

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Submitted By: Luc Belanger

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Lakeshore Gold Timmins West Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. Recieved : PC0074916 : 11 Jan 2024 Lab Number Timmins, ON : 02608234 Diagnosed : 11 Jan 2024 ISO 17025:2017 Diagnostician : Wes Davis Accredited : 5709320 Unique Number CA Laboratory Test Package : MOB 1 (Additional Tests: KV100, VI) Contact: Dale Arseneau To discuss this sample report, contact Customer Service at 1-800-268-2131. darseneau@ca.panamericansilver.com T: (705)269-4344 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: Validity of results and interpretation are based on the sample and information as supplied.

lec21/23

lec21

Jec21/2: