

#### Machine Id 0150 Component Rear Left Transmission (Auto) Fluid PETRO CANADA DuraDrive HD Synthetic 668 (22 LTR)

### RECOMMENDATION

We advise that you check for the source of the coolant leak. The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

#### **WEAR**

All component wear rates are normal.

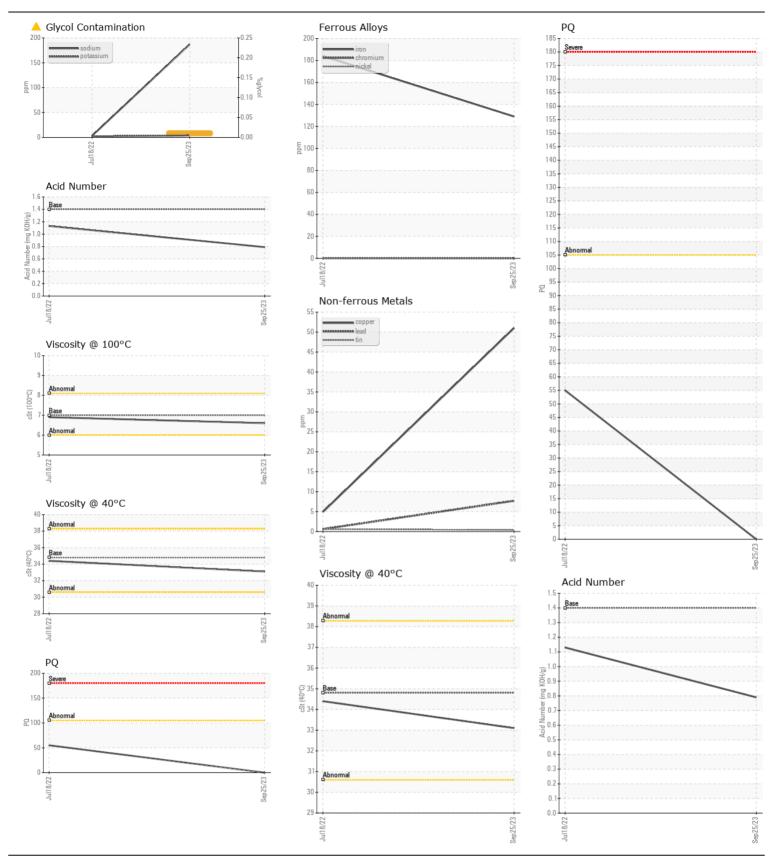
## **CONTAMINATION**

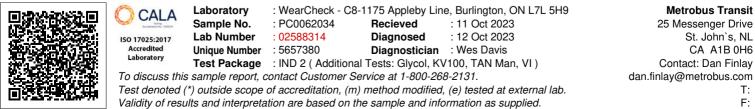
Test for glycol is positive. There is a light concentration of glycol present in the fluid.

# FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service. The fluid is no longer serviceable due to the presence of contaminants.

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Test	UOM	Method	Limit/Abn	Current	Historv1	History2
					,	
•		Client Info				
	kms	Client Info		1085882	1030822	
Oil Age	kms	Client Info		54984	50233	
Filter Age	kms	Client Info		54984	50233	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status				ATTENTION	NORMAL	
				•		
				-		
		( )		-		
		. /		-		
		( )		-		
				-		
		× 7				
				-		
				-		
		. ,	20			
			NONE	-		
Silicon	ppm	ASTM D5185(m)	>20	5	5	
Potassium	ppm	ASTM D5185(m)	>20	4	2	
Water		WC Method	>0.1	NEG	NEG	
Glycol	%	ASTM D7922*		<b>A</b> 0.017		
	scalar	Visual*	NONE	NONE	LIGHT	
				_		
••						
Emuisined water	scalar	visual	>0.1	NEG	NEG	
Sodium	ppm	ASTM D5185(m)		<b>1</b> 87	3	
Boron	ppm	ASTM D5185(m)	78	15	72	
Barium	ppm	ASTM D5185(m)		<1	0	
Molybdenum	ppm	ASTM D5185(m)	0	6	0	
Manganese	ppm	ASTM D5185(m)		2	3	
Magnesium	ppm	ASTM D5185(m)	0	1	<1	
Calcium	ppm	ASTM D5185(m)	113	113	79	
Phosphorus	ppm	ASTM D5185(m)	222	203	187	
Zinc	ppm	ASTM D5185(m)		12	5	
Sulfur	ppm	ASTM D5185(m)	1326	1569	2032	
Acid Number (AN)		ASTM D974*	1.4	0.79	1.13	
	cSt	( /	34.8	33.1		
-			7.0			
Viscosity Index (VI)	Scale	ASTM D2270*	167	159	165	
	TestSample NumberSample DateMachine AgeOil AgeFilter AgeOil ChangedFilter ChangedSample StatusPQIronChromiumNickelTitaniumSilverAluminumLeadCopperTinVanadiumYellow MetalYellow MetalSiliconPotassiumGoperanceGilconSuliconPotassiumSoliconSoliconSulfurAppearanceGodorEmulsified WaterSodiumMagnesiumMagneseMagnesiumCalciumPhosphorusZincSulfur	TestUOMSample NumberISample DateKmsMachine AgekmsOil AgekmsFilter AgekmsOil ChangedIFilter ChangedISample StatusIPQppmIronppmNickelppmSilverppmAluminumppmLeadppmVanadiumppmVanadiumppmVanadiumppmYellow MetalscalarSiliconppmSiliconppmSiliconppmSand/DirtscalarSolitscalarSodiarscalarSodiarscalarSodiarscalarSodiarppmMapearancescalarSodiumppmManganeseppmManganeseppmMagnesiumppmSulfurspmKati Number (AN)mgK0HgVisc @ 40°CcStVisc @ 100°CcSt	TestUOMMethodSample NumberClient InfoSample DateClient InfoMachine AgekmsClient InfoOil AgekmsClient InfoFilter AgekmsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoPQASTM D8184*IronppmASTM D5185(m)ChromiumppmASTM D5185(m)NickelppmASTM D5185(m)SilverppmASTM D5185(m)AluminumppmASTM D5185(m)LeadppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VaterscalarVisual*SiliconppmASTM D5185(m)PotassiumppmASTM D5185(m)PotassiumppmASTM D5185(m)PotassiumscalarVisual*Sand/DirtscalarVisual*SodiumppmASTM D5185(m)BoronppmASTM D5185(m)BoronppmASTM D5185(m)MalpaeseppmASTM D5185(m)ManganeseppmASTM D5185(m)ManganeseppmASTM D5185(m)ManganeseppmASTM D5185(m)PhosphorusppmASTM D5185(m)ManganeseppmASTM D5185(m)ManganeseppmASTM	TestUOMMethodLimit/AbnSample NumberClient InfoClient InfoSample DateClient InfoMachine AgeKmsClient InfoMachine AgekmsClient InfoFilter AgeClient InfoOil ChangedClient InfoClient InfoSample StatusClient InfoFilter ChangedIntoClient InfoSample StatusSample StatusSample StatusPQASTM D8184*>1005Sample StatusSample StatusSample StatusSample StatusPQJmmASTM D8186m>220SilverSample StatusSample StatusIronppmASTM D8186m>20Sample StatusSample StatusSample StatusIrianiumppmASTM D8186m>20Sample StatusSample StatusSample StatusSilverppmASTM D8186m>50Sample StatusSample StatusSample StatusGandaiumppmASTM D8186m>20Sample StatusSample StatusYellow MetalscalarVisual*NONESiliconppmASTM D5185m>20PotassiumppmASTM D5185m>20SilitscalarVisual*NONEGlycol%SaturNOREAppearancescalarVisual*NORESodiumppmASTM D5185mClient InfoGlycolscalarVisual*NOREAppearancescalarVisual*NOREBariumppmASTM D5185	TestUOMMethodLimit/AbrCurrentSample NumberClient Info25 Sep 2023Machine AgeKmsClient Info1085882Oil AgeKmsClient Info54984Filter AgeKmsClient Info54984Filter AgeKmsClient Info54984Oil ChangedClient InfoS4984Oil ChangedClient InfoChangedSample StatusClient InfoATTENTIONPQASTM D5185(m)>200IronppmASTM D5185(m)>20NickelppmASTM D5185(m)>20OhromiumppmASTM D5185(m)>20NickelppmASTM D5185(m)>20NickelppmASTM D5185(m)>20SilverppmASTM D5185(m)>20SilverppmASTM D5185(m)>5LeadppmASTM D5185(m)>5LeadppmASTM D5185(m)>5VanadiumppmASTM D5185(m)>20Vitte MetalscalarVisual*NONEYellow MetalscalarVisual*NONESiliconppmASTM D5185(m)>204VatarWCMoneNONESilitonscalarVisual*NONESilitonscalarVisual*NONESodiumppmASTM D5185(m)>20SiltscalarVisual*NONESodiumppmASTM D5185(m)20	TestUOMMethodLimit/AbCurrentHistory1Sample NumberClient Info25 Sep 20318 Jul 2022Machine AgekmsClient Info10858821030822Oil AgekmsClient Info5498450233Filter AgekmsClient Info5498450233Oil ChangedClient InfoChangedChangedSilter ChangedClient InfoChangedChangedSilter ChangedClient InfoChangedNORMALPQASTM D8184*>105055IronppmASTM D8185m>200PQASTM D8185m>2000NickelppmASTM D8185m>200NickelppmASTM D8185m>200SilverppmASTM D8185m>559LeadppmASTM D8185m>5559LeadppmASTM D8185m>55515YanadiumppmASTM D8185m>55515Yallow MetalscalarVisual*NONEVLITENONEYellow MetalscalarVisual*NONENONENONEYellow MetalscalarVisual*NONENONENONEYellow MetalscalarVisual*NONENONENONEYellow MetalscalarVisual*NONENONENONEYellow MetalscalarVisual*NONENONE





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