

NORMAL WEAR NORMAL CONTAMINATION FLUID CONDITION NORMAL

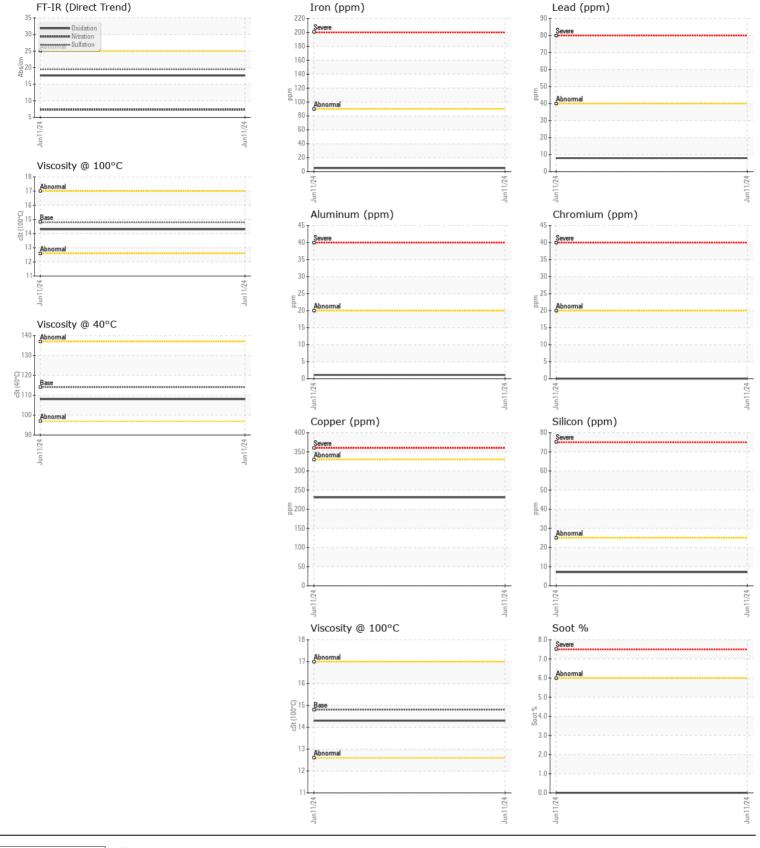
[155884]

33222629

Diesel Engine

VALVOLINE PREMIUM BLUE 9200 15W40 (--- GAL)

- GAL)						
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CU0022721		
Sample Date		Client Info		11 Jun 2024		
Machine Age	hrs	Client Info		35		
	hrs	Client Info		0		
	hrs	Client Info		0		
		Client Info				
		Client Info				
Sample Status				NORMAL		
Iron	nnm	ASTM D5185(m)	<u>_90</u>	5		
		. ,				
		,				
Lead				8		
Copper		ASTM D5185(m)	>330	231		
Tin	ppm	ASTM D5185(m)	>15	0		
Vanadium	ppm	ASTM D5185(m)		0		
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
			~-	_		
	ppm	()				
			>0.2			
•	0/		. 6			
				NEG		
Sodium	ppm	ASTM D5185(m)		4		
Boron	ppm	ASTM D5185(m)		42		
	ppm					
,		,				
-						
		,				
	ppm	ASTM D5185(m)		2203		
Sulfur		ACTM D7/14/*	- OF	176		
Oxidation	Abs/.1mm			17.6		
		ASTM D7414* ASTM D7279(m) ASTM D7279(m)	114	17.6 108 14.3		
-	Sample NumberSample DateMachine AgeOil AgeFilter AgeOil ChangedFilter ChangedSample StatusIronChromiumNickelTitaniumSilverAluminumLeadCopperTinVanadiumWhite MetalYellow MetalSiliconPotassiumFuelWaterGlycolSoot %NitrationSiltDebrisSand/DirtAppearanceOdorEmulsified WaterSodiumBoronBariumMaganeseMagnesiumCalciumPhosphorusZinc	TestUOMSample NumberSample DateMachine AgehrsOil AgehrsOil AgehrsFilter AgehrsOil ChangedFilter ChangedSample StatusSample StatusIronppmNickelppmNickelppmAluminumppmLeadppmCopperppmTinppmVanadiumppmVanadiumppmFuelscalarYellow MetalscalarSoot %%NitrationAbs/rmSiltscalarSulfationAbs/rmSulfationscalarGlycolscalarSoot %%NitrationAbs/rmSulfationscalarSodiumppmBoronscalarAppearancescalarAppearancescalarMolybdenumppmMaganeseppmMagnesiumppmPhosphorusppmPhosphorusppm	TestUOMMethodSample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoNickelppmASTM D5185(m)NickelppmASTM D5185(m)SilverppmASTM D5185(m)LeadppmASTM D5185(m)CopperppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VaterWC MethodGlycolWC MethodSulfationAbs/ <m< td="">Astm D5185(m)Astm D5185(m)FuelWC MethodSoot %%ASTM D5185(m)Emulsified WaterscalarVisual*DebrisscalarSodiumppmAstm D5185(m)BariumppmAstm D5185(m)BariumppmAstm D5185(m)ManganeseppmAstm D5185(m)ManganeseppmAstm D5185(m)ManganeseppmAstm D5185(m)Manganeseppm<</m<>	TestUOMMethodLimit/AbnSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoSample StatusSample StatusIronppmASTM D5185(m)NickelppmASTM D5185(m)NickelppmASTM D5185(m)SilverppmASTM D5185(m)SilverppmASTM D5185(m)SilverppmASTM D5185(m)SilverppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanadiumppmASTM D5185(m)VanatiumppmASTM D5185(m)VanatiumppmASTM D5185(m)SiliconppmASTM D5185(m)Soot %%ASTM D7624*SuifationAbs/rmASTM D7145*SiltscalarVisual*NONEAppearancescalarAppearancescalarVisual*AppearancescalarVisual*AppearancescalarVisual*AppearancescalarVisual*Appeara	TestUOMMethodLimit/AbrCurrentSample NumberClient Info11 Jun 2024Sample DateClient Info35Oil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient InfoN/AFilter ChangedClient InfoN/ASample StatusNORMALIronppmASTM D5185(m)>20NickelppmASTM D5185(m)>2NickelppmASTM D5185(m)>2SilverppmASTM D5185(m)>2SilverppmASTM D5185(m)>2AluminumppmASTM D5185(m)>2LeadppmASTM D5185(m)>2CopperppmASTM D5185(m)>15VanadiumppmASTM D5185(m)>15VanadiumppmASTM D5185(m)>20Vallow MetalscalarVisual*NONESiliconppmASTM D5185(m)>20<1	Test UOM Method Limit/Abn Current Current Cuoto2721 History1 Sample Date Client Info 11 Jun 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info 0 Filter Age hrs Client Info N/A Gold Changed Client Info N/A N/A Filter Changed Client Info N/A N/A Sample Status Visual >90 5 Iron ppm ASTM D5185(m) >20 0 Nickel ppm ASTM D5185(m) >20 1 Lead ppm ASTM D5185(m) >20 1 Lead ppm ASTM D5185(m) >15 0 Vanadium ppm ASTM D5185(m)



: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CUMMINS CANADA ULC - GENERATOR DIVISION Laboratory CALA Sample No. Received : 21 Jun 2024 7175 PACIFIC CIRCLE : CU0022721 h Lab Number : 02643373 Tested MISSISSAUGA, ON : 21 Jun 2024 ISO 17025:2017 Accredited : 21 Jun 2024 - Wes Davis CA L5T 2A5 Unique Number : 5800912 Diagnosed Laboratory Test Package : MOB 1 (Additional Tests: KV40, VI, Visual) Contact: Elisia Johnson To discuss this sample report, contact Customer Service at 1-800-268-2131. elisia.johnson@cummins.com Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (905)795-0050 F: (905)795-9252 Validity of results and interpretation are based on the sample and information as supplied.

Contact/Location: Elisia Johnson - CUMMISGEN Page 2 of 2