

NORMAL WEAR CONTAMINATION NORMAL **FLUID CONDITION** NORMAL

[6100317657] **MAIN OFFICE**

Diesel Engine

SAE 15W40 (--- GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021763		
Sample Date		Client Info		03 Jul 2024		
Machine Age	hrs	Client Info		27		
Oil Age	hrs	Client Info		27		
Filter Age	hrs	Client Info		27		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				NORMAL		
Iron	ppm	ASTM D5185(m)	>100	8		
		ASTM D5185(m)	>20			
		· · · ·				
			>3			
		1 7				
		1				
			NONE			
		violati				
Silicon	ppm	ASTM D5185(m)	>25	9		
Potassium	ppm	ASTM D5185(m)	>20	4		
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
Soot %	%	ASTM D7844*	>3	0		
Nitration	Abs/cm	ASTM D7624*	>20	9.6		
Sulfation	Abs/.1mm	ASTM D7415*	>30	14.7		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*		NORML		
Emulsified Water	scalar	Visual*	>0.2	NEG		
Sodium	nnm	ΔSTM D5185(m)	<u>\</u> 57	4		
		()	201			
		()				
Manganese	ppm	ASTM D5185(m) ASTM D5185(m)		2		
	ppiii			18		
-	nnm	ASTM DE195(m)				
Magnesium	ppm	ASTM D5185(m)				
Magnesium Calcium	ppm	ASTM D5185(m)		3962		
Magnesium Calcium Phosphorus	ppm ppm	ASTM D5185(m) ASTM D5185(m)		3962 933		
Magnesium Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		3962 933 1058		
Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	. 05	3962 933 1058 2585		
Magnesium Calcium Phosphorus Zinc Sulfur Oxidation	ppm ppm ppm Abs/.1mm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D7414*		3962 933 1058 2585 9.1		
Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		3962 933 1058 2585		
	Sample NumberSample DateMachine AgeOil AgeFilter AgeOil ChangedFilter ChangedSample StatusIronChromiumNickelTitaniumSilverAluminumLeadCopperTinVanadiumWhite MetalYellow MetalSiliconPotassiumFuelWaterGlycolSoot %NitrationSiltDebrisSand/DirtAppearanceOdorEmulsified WaterBoronBariumMolybdenum	Sample NumberSample DateMachine AgehrsOil AgehrsFilter AgehrsOil ChangedIterFilter Changedsample StatusSample StatusppmIronppmChromiumppmNickelppmSilverppmAluminumppmLeadppmCopperppmTinppmVanadiumppmVanadiumppmFuelscalarYellow MetalscalarSiliconppmFuelSoot %Soot %%NitrationAbs/rmSiltscalarSand/DirtscalarCdorscalarSodiumppmBoronppmBariumppmMolybdenumppm	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoNickelppmASTM D5185(m)NickelppmASTM D5185(m)SilverppmASTM D5185(m)AluminumppmASTM 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)VanadiumppmASTM D5185(m)PotassiumppmASTM D5185(m)FuelWC MethodSoot %%ASTM D7844*NitrationAbs/cmASTM D7644*SulfationAbs/1mmASTM D7415*SiltscalarVisual*DebrisscalarVisual*AppearancescalarVisual*AppearancescalarVisual*AppearancescalarVisual*BariumppmASTM D5185(m)BariumppmASTM D5185(m)BariumppmASTM D5185(m)BariumppmASTM D	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoInfoFilter ChangedClient InfoInfoSample StatusSample Status>100ChromiumppmASTM D5185(m)>20NickelppmASTM D5185(m)>20NickelppmASTM D5185(m)>3AluminumppmASTM D5185(m)>20LeadppmASTM D5185(m)>3AluminumppmASTM D5185(m)>20LeadppmASTM D5185(m)>30TinppmASTM D5185(m)>330TinppmASTM D5185(m)>15VanadiumppmASTM D5185(m)>20Valew MetalscalarVisual*NONEYellow MetalscalarVisual*NONESiliconppmASTM D5185(m)>20FuelWC Method>5WaterWC Method>0.2GlycolWC Method>0.2SulfationAbs/cmASTM D7844*>3NitrationAbs/cmASTM D7145*>30SiltscalarVisual*NONEDebrisscalarVisual*NONEAppearancescalarVisual*NOREAppearancescalarVisual*NORMLCdorscalarVisual*NORML <td>Sample NumberClient InfoWA0021763Sample DateClient Info03 Jul 2024Machine AgehrsClient Info27Oil AgehrsClient Info27Oil ChangedClient Info27Oil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient Info8ChromiumppmASTM D5185(m)>100RonniumppmASTM D5185(m)>20<1</td> NickelppmASTM D5185(m)>4<1	Sample NumberClient InfoWA0021763Sample DateClient Info03 Jul 2024Machine AgehrsClient Info27Oil AgehrsClient Info27Oil ChangedClient Info27Oil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient Info8ChromiumppmASTM D5185(m)>100RonniumppmASTM D5185(m)>20<1	Sample NumberClient InfoWA0021763Sample DateClient Info03 Jul 2024Machine AgehrsClient Info27Oil AgehrsClient Info27Filter AgehrsClient InfoChangedOil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusNORMALIronppmASTM D5185(m)>1008ChromiumppmASTM D5185(m)>20<1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Wajax Power Systems CALA Sample No. Received 485 VENTURE DR : WA0021763 : 05 Jul 2024 ž Lab Number : 02645835 Tested MONCTON, NB :08 Jul 2024 ISO 17025:2017 Accredited Unique Number : 5803374 : 08 Jul 2024 - Wes Davis CA E1H 2P4 Diagnosed Laboratory Test Package : MOB 1 (Additional Tests: KV40, VI, Visual) Contact: Doug Balser To discuss this sample report, contact Customer Service at 1-800-268-2131. dbalser@wajax.com T: (506)855-5371 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: (506)870-4448 Validity of results and interpretation are based on the sample and information as supplied.