

Machine Id CHEVROLET TROPPER VK-T Component Front Gasoline Engine

FRAM AMERICAN ARAL 200050 (6 QTS)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP76250		
Sample Date		Client Info		03 Jul 2010		
Machine Age	kms	Client Info		232057		
Oil Age	kms	Client Info		8398		
Filter Age	kms	Client Info		8398		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				NORMAL		
Iron	ppm	ASTM D5185m		16		
Chromium		ASTM D5185m		<1		
			NONE			
Yellow Metal	scalar	*Visual	NONE	NONE		
	ppm			8		
	ppm			0		
				<1.0		
Water		WC Method		NEG		
Glycol		WC Method		NEG		
Soot %	%	*ASTM D7844		0		
Nitration	Abs/cm	*ASTM D7624		10.		
Sulfation	Abs/.1mm	*ASTM D7415		27.		
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	NORML		
Emulsified Water	scalar	*Visual		NEG		
Sodium	ppm	ASTM D5185m		2		
•						
-						
Oxidation	AUS/.IIIIII	ASTM D0000		10.		
	Sample NumberSample DateMachine AgeOil AgeFilter AgeOil ChangedFilter ChangedSample StatusIronChromiumNickelTitaniumSilverAluminumLeadCopperTinVanadiumWhite MetalYellow MetalSiliconFuelSoot %NitrationSulfationSulfationSiltDebrisSand/DirtAppearanceOdorEmulsified WaterGlycolSodiumSulfationSiltDebrisSand/DirtAppearanceOdorEnulsified WaterGariumMolybdenumMagnesiumCalciumPhosphorusZincOxidation	Sample NumberSample DateMachine AgekmsOil AgekmsFilter AgeKmsOil ChangedFilter ChangedFilter Changedsample StatusIronppmNickelppmNickelppmSilverppmAluminumppmLeadppmTinppmVanadiumppmVanadiumppmVanadiumppmVallow MetalscalarYellow MetalscalarSoot %%NitrationAbs/mmSulfationAbs/mmSiltscalarGlycolscalarSoot %%NitrationAbs/mmSiltscalarDebrisscalarSand/DirtscalarSodiumppmBoronppmBariumppmMagnesiumppmMagnesiumppmMagnesiumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciumppmCalciump	Sample NumberClient InfoSample DateClient InfoMachine AgekmsClient InfoOil AgekmsClient InfoFilter AgekmsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoNickelppmASTM D5185mNickelppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mLeadppmASTM D5185mCopperppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mFuelWC MethodGlycolWC MethodGlycolWC MethodSoltscalar*VisualSiltscalar*VisualSulfationAbs/:m*ASTM D7144NitrationAbs/:m*ASTM D7185mGodorscalar*VisualAppearancescalar*VisualAppearancescalar*VisualAppearancescalar*VisualBoronppmASTM D5185mBoronppmASTM D5185mBariumppmASTM D5185mMagnesiumppmASTM D5185m <th>Sample NumberClient InfoSample DateClient InfoMachine AgekmsClient InfoOil AgekmsClient InfoFilter AgekmsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoNickelppmASTM D5185mNickelppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mAluminumppmASTM D5185mCopperppmASTM D5185mTinppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mValterwC MethodGilycolWC MethodGilycolWC MethodSoot %%*ASTM D7844NoneASTM D7844Appearancescalar*VisualAppearancescalar*VisualAppearancescalar*VisualMolybdenumppmASTM D5185mBoronppmASTM D5185mBariumppmASTM D5185mBariumppmASTM D5185mBariumppmASTM D5185mBari</th> <td>Sample NumberClient InfoRP76250Sample DateClient Info03 Jul 2010Machine AgekmsClient Info232057Oil AgekmsClient Info8398Filter AgekmsClient Info8398Oil ChangedClient Info8398Oil ChangedClient InfoKmsFilter ChangedClient InfoKmsSample StatusNORMALIronppmASTM D5185m0TitaniumppmASTM D5185m0NickelppmASTM D5185m0NickelppmASTM D5185m0AluminumppmASTM D5185m0AluminumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanatiumppmASTM D5185m0VanatiumppmASTM D5185m0FuelWC Method<t1.0< td="">WaterWC MethodNEGSoot %% YaSTM D782410.SulfationAbs/cm YisualNOREAppearancescalar YisualNORESodiumppmASTM D5185m2BoronppmASTM D5185m1BoronppmASTM D5185m1</t1.0<></td> <td>Sample NumberClient InfoRP76250Sample DateClient Info03 Jul 2010Machine AgekmsClient Info232057Oil AgekmsClient Info8398Filter AgekmsClient Info8398Oil ChangedClient InfoChangedFilter AgeClient InfoChangedSample StatusVORMALIronppmASTM D5185m16NickelppmASTM D5185m0NickelppmASTM D5185m0SliverppmASTM D5185m5LeadppmASTM D5185m5VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0Vellow Metalscalar*VisualNONENONESiliconppmASTM D5185m0SiliconppmASTM D5185m0SulfationAbs/rm*ASTM D5185m0SulfationAbs/rm*ASTM D5185m0SulfationAbs/rm*ASTM D5185m0SulfationAbs/rm*ASTM D714527SodiumppmASTM D5185m1Debrisscalar</td>	Sample NumberClient InfoSample DateClient InfoMachine AgekmsClient InfoOil AgekmsClient InfoFilter AgekmsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoNickelppmASTM D5185mNickelppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mAluminumppmASTM D5185mCopperppmASTM D5185mTinppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mValterwC MethodGilycolWC MethodGilycolWC MethodSoot %%*ASTM D7844NoneASTM D7844Appearancescalar*VisualAppearancescalar*VisualAppearancescalar*VisualMolybdenumppmASTM D5185mBoronppmASTM D5185mBariumppmASTM D5185mBariumppmASTM D5185mBariumppmASTM D5185mBari	Sample NumberClient InfoRP76250Sample DateClient Info03 Jul 2010Machine AgekmsClient Info232057Oil AgekmsClient Info8398Filter AgekmsClient Info8398Oil ChangedClient Info8398Oil ChangedClient InfoKmsFilter ChangedClient InfoKmsSample StatusNORMALIronppmASTM D5185m0TitaniumppmASTM D5185m0NickelppmASTM D5185m0NickelppmASTM D5185m0AluminumppmASTM D5185m0AluminumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanatiumppmASTM D5185m0VanatiumppmASTM D5185m0FuelWC Method <t1.0< td="">WaterWC MethodNEGSoot %% YaSTM D782410.SulfationAbs/cm YisualNOREAppearancescalar YisualNORESodiumppmASTM D5185m2BoronppmASTM D5185m1BoronppmASTM D5185m1</t1.0<>	Sample NumberClient InfoRP76250Sample DateClient Info03 Jul 2010Machine AgekmsClient Info232057Oil AgekmsClient Info8398Filter AgekmsClient Info8398Oil ChangedClient InfoChangedFilter AgeClient InfoChangedSample StatusVORMALIronppmASTM D5185m16NickelppmASTM D5185m0NickelppmASTM D5185m0SliverppmASTM D5185m5LeadppmASTM D5185m5VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0VanadiumppmASTM D5185m0Vellow Metalscalar*VisualNONENONESiliconppmASTM D5185m0SiliconppmASTM D5185m0SulfationAbs/rm*ASTM D5185m0SulfationAbs/rm*ASTM D5185m0SulfationAbs/rm*ASTM D5185m0SulfationAbs/rm*ASTM D714527SodiumppmASTM D5185m1Debrisscalar

Base Number (BN) mg KOH/g ASTM D2896

Visc @ 100°C cSt ASTM D445

5.29

16.9



Diagnosed Test Package : MOB 2 (Additional Tests: TBN) Contact: VADYM KALASHNIKOV Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: VADQUI [WUSCAR] 02673831 (Generated: 03/16/2024 10:31:34) Rev: 1

Contact/Location: VADYM KALASHNIKOV - VADQUI

T:

F: