



PERFORMANCE
UNDER
PRESSURE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET TROPPER VK-T
Component
Front Gasoline Engine
Fluid
ROYAL PURPLE XPR 20W50 (6 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RP76375	RP76250	---
Sample Date		Client Info		15 Sep 2010	03 Jul 2010	---
Machine Age	kms	Client Info		237219	232057	---
Oil Age	kms	Client Info		5162	8398	---
Filter Age	kms	Client Info		5162	8398	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		9	16	---
Chromium	ppm	ASTM D5185m		<1	<1	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		5	5	---
Lead	ppm	ASTM D5185m		<1	4	---
Copper	ppm	ASTM D5185m		2	5	---
Tin	ppm	ASTM D5185m		0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

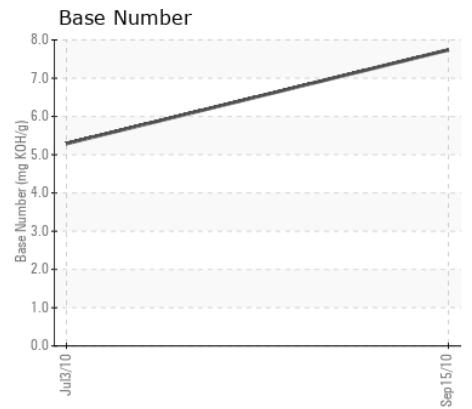
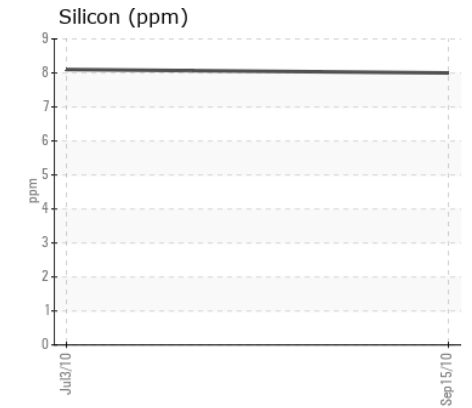
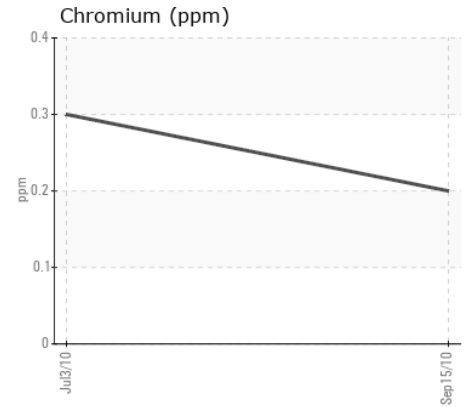
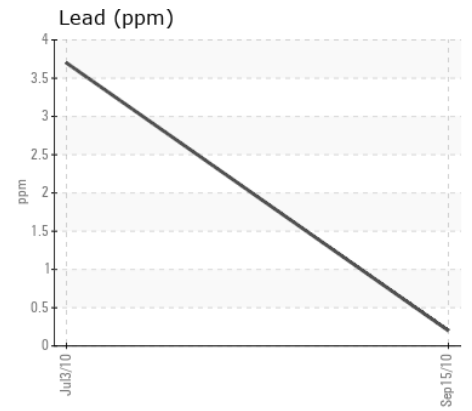
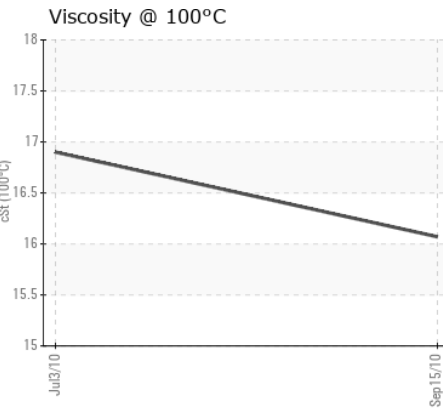
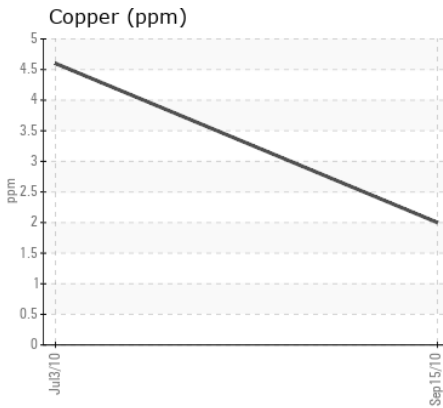
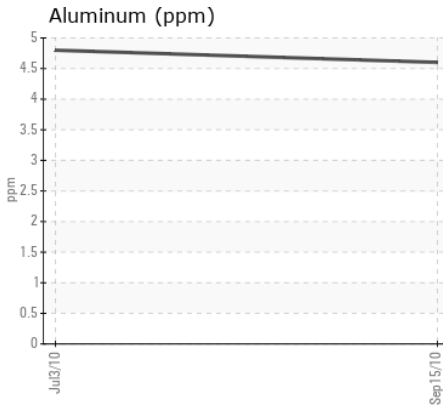
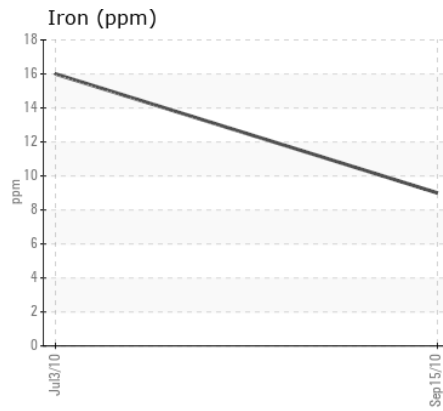
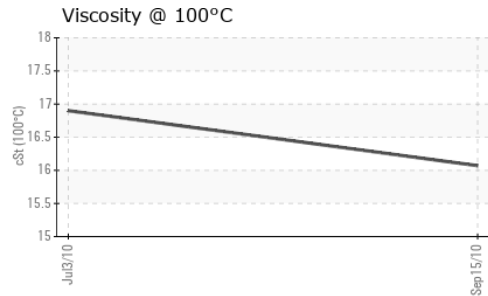
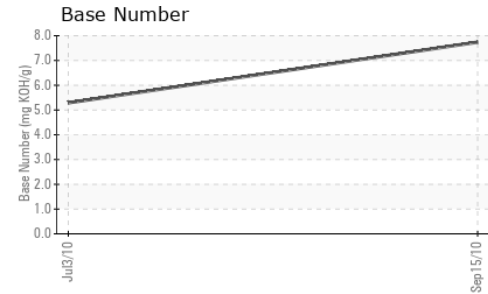
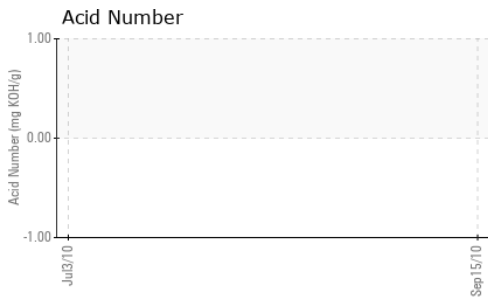
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m		8	8	---
Potassium	ppm	ASTM D5185m		6	0	---
Fuel		WC Method		<1.0	<1.0	---
Water		WC Method		NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0	0	---
Nitration	Abs/cm	*ASTM D7624		9.	10.	---
Sulfation	Abs/.1mm	*ASTM D7415		30.	27.	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual		NEG	NEG	---

FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185m		43	2	---
Boron	ppm	ASTM D5185m		2	1	---
Barium	ppm	ASTM D5185m		0	1	---
Molybdenum	ppm	ASTM D5185m		95	4	---
Manganese	ppm	ASTM D5185m		3	35	---
Magnesium	ppm	ASTM D5185m		8	40	---
Calcium	ppm	ASTM D5185m		2847	2532	---
Phosphorus	ppm	ASTM D5185m		924	933	---
Zinc	ppm	ASTM D5185m		1058	1138	---
Oxidation	Abs/.1mm	*ASTM D7414		17.	16.	---
Base Number (BN)	mg KOH/g	ASTM D2896		7.74	5.29	---
Visc @ 100°C	cSt	ASTM D445		16.07	16.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RP76375

Lab Number : 02712510

Unique Number : 5327544

Test Package : MOB 2 (Additional Tests: TBN)

Received : 20 Sep 2010

Tested : 22 Sep 2010

Diagnosed : 22 Sep 2010 - Don Baldrige

VADYM KALASHNIKOV

AV. 6 DE DIDEMBER / PLAZA ARGENTINA

QITO-ECUADOR,

Contact: VADYM KALASHNIKOV

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)

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F: