

UIN 0605B66

Gasoline Engine

Unit No.

Unit:

Make 2010 Land Rover

Model LR4 5.0L V8

Serial No.

Site

Compartment:

Name Gasoline Engine

Make

Model

Serial No.

Capacity:



DIAGNOSIS

All wear levels appear within acceptable limits for first sample. Silicon level (dirt/sealant material) satisfactory. Water content acceptable. Viscosity within specified operating range.

Action: Resample at next recommended interval to monitor and establish wear trend. Please provide missing oil information at next sample submission.

ANALYST: LeDonna.Neu

LEGEND				
Normal	Severe	Abnormal	Caution	Normal

DATE SAMPLED	12-Aug-17
DATE RECEIVED	06-Sep-17
DATE REPORTED	07-Sep-17
LAB NO.	43021040763
SIF NO.	14796382
TIME ON UNIT	114000
TIME ON OIL	10000
OIL BRAND	Castrol
OIL TYPE	Unidentified
OIL GRADE	SAE 5W20
OIL ADDED	
FILTER	
OIL CHANGED	Changed
WO NUMBER	
Metals (ppm)	
Iron (Fe)	55
Chromium (Cr)	1
Lead (Pb)	<1
Copper (Cu)	1
Tin (Sn)	<1
Aluminium (Al)	7
Nickel (Ni)	<1
Silver (Ag)	<1
Titanium (Ti)	1
Vanadium (V)	<1
Contaminants (ppm)	
Silicon (Si)	7
Sodium (Na)	33
Potassium (K)	<1
Additives (ppm)	
Magnesium (Mg)	23
Calcium (Ca)	3234
Barium (Ba)	<1
Phosphorus (P)	801
Zinc (Zn)	929
Molybdenum (Mo)	102
Boron (B)	24
Contaminants	
Water (%)	<0.05
Coolant	No
Physical Tests	
Viscosity (cSt 100C)	9.9
Physical / Chemical	
Base Number (mgKOH/g)	2.4



UIN 0605B66

U.S. Laboratories

- Atlanta, Georgia - 420**
3121 Presidential Drive
Atlanta, GA 30340
800.394.3669
- Valley View, Ohio - 410**
6180 Halle Dr. Suite D
Valley View, OH 44125
800.726.5400
- Kansas City, Kansas - 430**
935 Sunshine Road
Kansas City, KS 66115
800.332.8055
- Phoenix, Arizona - 440**
3319 West Earll Drive
Phoenix, AZ 85017
800.445.7930
- Portland, Oregon - 401**
4943 NW Front Avenue
Portland, OR 97210
800.770.4128
- Sparks, Nevada - 400**
1375 Greg Street, Suite 104
Sparks, NV 89431
800.524.7848

Canadian Laboratories

- Burlington, Ontario - 450**
1240 Burloak Drive, Unit 6
Burlington, ON L7L 6B3
877.732.9559
- Edmonton, Alberta - 402**
10717-176 Street
Edmonton, AB T5S 1K1
888.489.0057

Sales & Marketing

- Houston, Texas**
10450 Stancliff Road, Suite 210
Houston, TX 77099
877.835.8437

International Locations

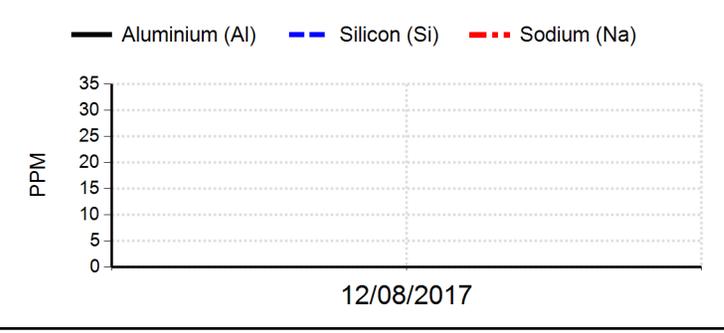
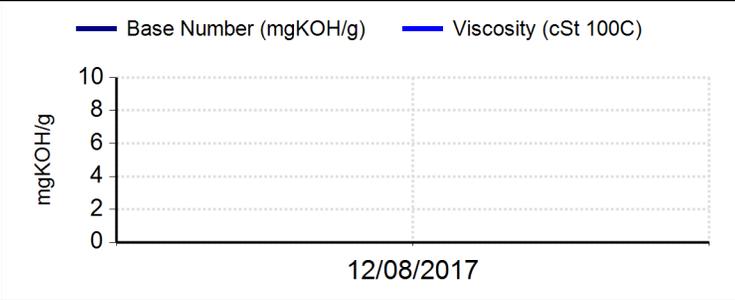
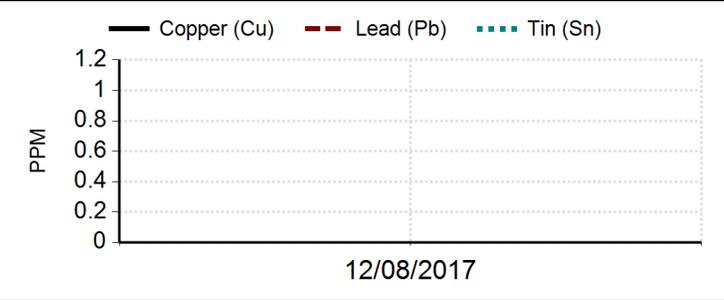
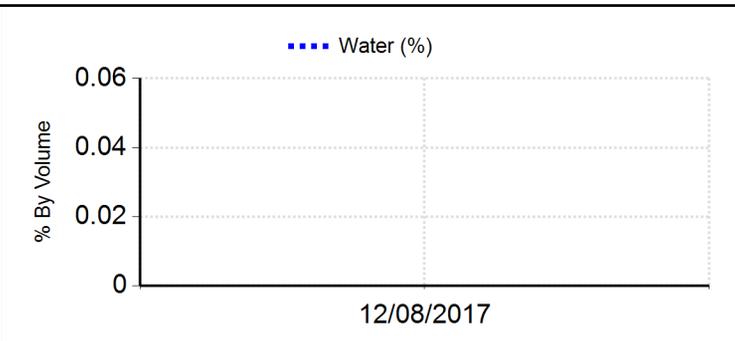
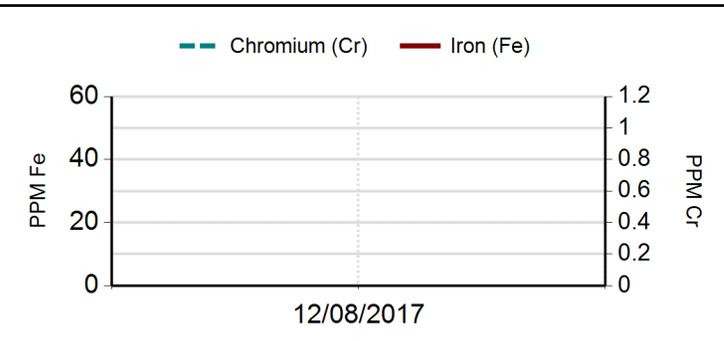
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Brisbane, Perth, Sydney, Muswellbrook
- South America**
Santiago de Chile

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- Southeast Asia**
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Prague

TEST METHODS:

Acid Number:	ASTM D974/D664 (*M)
Base Number:	ASTM D4739 (*M)
Base Number (Perchloric):	ASTM D2896
Fuel Dilution by GC:	ASTM D3524/D7593
Fuel Dilution Visc/Setaflash	ASTM D445/D7279/D3828
Fuel Soot ATR/IR:	ASTM D7686 (*M)
Glycol:	ASTM D2982
Metals by ICP AES:	ASTM D5185 (*M)
Ox, NOx, SOx, FTIR:	ASTM D7418/D7414/D7415 D7624
Particle Count:	ASTM D7647 (*M) / ISO 11500, 4406
Viscosity:	ASTM D445 / D7279
Water KF:	D6304C / D1744 (*M)
Water Crackle:	In House

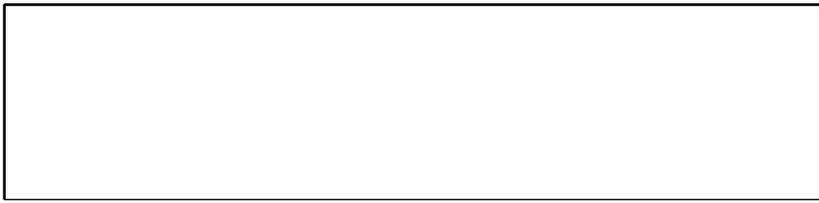
*M - Modified Method



Filter Image

Filter patch test is not performed Contact laboratory for more information

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