



OIL ANALYSIS REPORT

UIN 048C7C1

Gasoline Engine

Unit No. 00 Lexus

Unit:

Make Lexus
Model ES 300

Serial No.

Site

Compartment:

Name Gasoline Engine

Make

Model

Serial No.

Capacity: Ltrs

DATE SAMPLED 21-Jun-15
 DATE RECEIVED 30-Jun-15
 DATE REPORTED 01-Jul-15
 LAB NO. 42020687248
 SIF NO. 16259486
 TIME ON UNIT 245000
 TIME ON OIL 5000
 OIL BRAND Pennzoil
 OIL TYPE Platinum Full Syn
 OIL GRADE SAE 5W30
 OIL ADDED
 FILTER Changed
 OIL CHANGED Changed
 WO NUMBER

Metals (ppm)

Iron (Fe) 3
 Chromium (Cr) 2
 Lead (Pb) 1
 Copper (Cu) 2
 Tin (Sn) 1
 Aluminium (Al) 6
 Nickel (Ni) <1
 Silver (Ag) <1
 Titanium (Ti) 4
 Vanadium (V) <1

Contaminants (ppm)

Silicon (Si) 15
 Sodium (Na) 11
 Potassium (K) 6

Additives (ppm)

Magnesium (Mg) 17
 Calcium (Ca) 2425
 Barium (Ba) <1
 Phosphorus (P) 660
 Zinc (Zn) 823
 Molybdenum (Mo) 88
 Boron (B) 48

Contaminants

Water (%) <0.05
 Coolant No

Physical Tests

Viscosity (cSt 100C) 9.6

Physical / Chemical

Base Number (mgKOH/g) 3.4



DIAGNOSIS

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

Action: As oil and filter(s) already changed, resample next service interval to monitor and establish wear trend.

ANALYST: Jon Sowers



LEGEND



Severe



Abnormal



Caution



Normal

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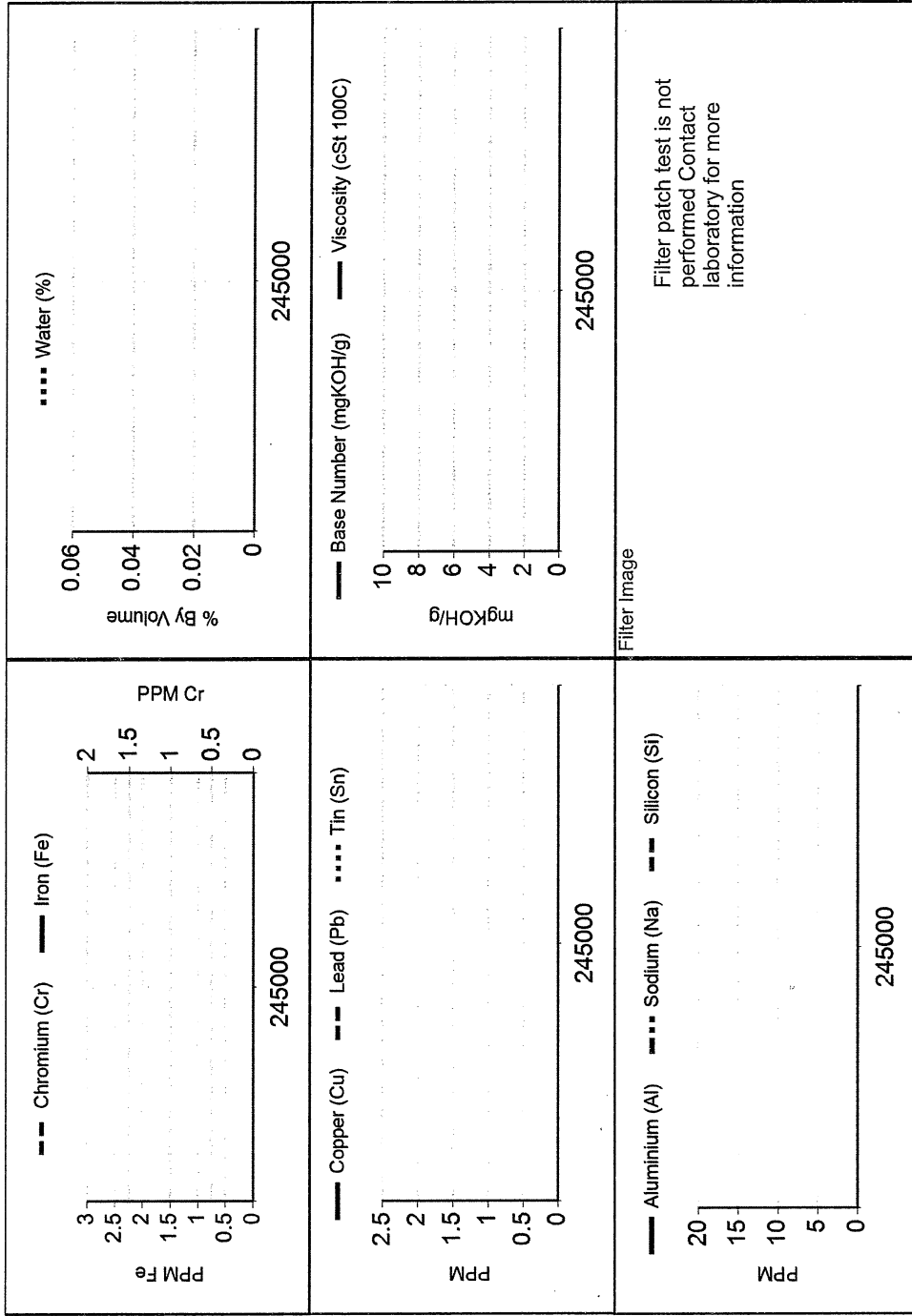
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Filter patch test is not performed Contact laboratory for more information

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