

<b>CUSTOMER:</b>	<b>RUDY WOLF</b>	
<b>PLANT:</b>	<b>RUDY WOLF</b>	
<b>MACHINE NAME:</b>	<b>LEXUS SN 5366</b>	<b>Machine Condition</b> <b>NORMAL</b>
<b>LOCATION:</b>		
<b>MACHINE TYPE:</b>	<b>DIESEL ENGINE</b>	
<b>LUBE TYPE:</b>	<b>TOY API SN 5W30</b>	
<b>MACH MFGR:</b>	<b>LEXUS</b>	
<b>MACH MOD:</b>	<b>RC F</b>	<b>Lubricant Condition</b> <b>NORMAL</b>
<b>RECEIVED:</b>	<b>21-JUN-17</b>	
<b>CONTACT 1:</b>	<b>RUDY WOLF</b>	
<b>REPORT:</b>	<b>27-JUN-17 14:26:59</b>	
<b>SAMPLE NO:</b>	<b>5-181-1-1</b>	
<b>TICKET NO:</b>	<b>6,AET6</b>	

**RECOMMENDATIONS**

- Continue normal operation and regular sampling.

**MISCELLANEOUS**

- Lubricant refers to oil, fuel, biofuel, grease, coolant or varnish.
- FOR GREATER DIAGNOSTIC, PLEASE SUPPLY A CURRENT REFERENCE LUBRICANT TO COMPARE WITH SAMPLE.
- The lube or machine time was not indicated. We are using an arbitrary starting point for unknown time. Please advise correct time estimates if possible.
- Trend analysis could not be performed. (Min. 4 tests required)
- Our database indicates no site contaminant for this unit. Please advise laboratory if this is not the case.
- Tank capacity 8.8 liter(s).

**SAMPLING HISTORY**

LabNo	SAMPLE DATE DD-MM-YYYY	TIME ON OIL / TSN	TIME SINCE OVER- HAUL / TSO	OIL CHANGED (Y/N)	PREVIOUS CONDI- TION MACH/OIL
1202792	15-06-2017	999	21319	Y	(n/a)

**(SP) SPECTROSCOPIC ANALYSIS [ASTM D5185] (elements seen in ppm)**

TESTED ELEMENTS ARE: Fe, Cu, Pb, Sn, Cr, Al, Ni, Ti, Ag, V, Mg, Si, B, Na, Ba, Ca, P, Mn, Zn, Mo, Cd, K.

Date(DD/MM/YY)	15-06-17	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	1202792								
Fe-IRON	7.0								-
Cu-COPPER	5.0								-
Al-ALUMINIUM	1.8								-
Mo-MOLYBDENUM	37								-
Ti-TITANIUM	1.0								-
Si-SILICON	7.0								-
Mg-MAGNESIUM	9.0								-
B-BORON	58								-
Na-SODIUM	7.0								-
Ca-CALCIUM	1816								-
P-PHOSPHORUS	558								-
Zn-ZINC	659								-
K-POTASSIUM	36								-

**(FTIR) FOURIER TRANSFORM INFRARED ANALYSIS (Absorbance)**

Date(DD/MM/YY)	15-06-17	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	1202792								
SOOT	0								-
AW/EP	19								-
OXIDATION	15								-
SULFATE	23								-
NITRATION	8								-
GLYCOL	0								-
FUEL/DILUTION	218								-
WATER	15								-

Date(DD/MM/YY)	15-06-17	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	1202792								
SOOT (%)	0.00								-

**VISCOSITY/100 [ASTM D445]**

Date(DD/MM/YY)	15-06-17	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	1202792								
in cSt 100°C	8.95								-

**TBN [ASTM D4739] (mg KOH/g)**

Date(DD/MM/YY)	15-06-17	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	1202792								
TOTAL BASE NO	5.77								-

**TAN [ASTM D974 OR D664] (mg KOH/g)**

Date(DD/MM/YY)	15-06-17	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	1202792								
TOTAL ACID NO	0.26								-

**KARL FISHER (%)**

Date(DD/MM/YY)	15-06-17	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	1202792								
WATER KF	0.011								-

**FUEL(%)**

Date(DD/MM/YY)	15-06-17	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	(n/a)	REF
Labno	1202792								
FUEL	1.09								-

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