



**UIN 054C4C4**

**Diesel Engine**

Tech Power Systems

**Unit No.** Tech Power Systems

**Unit:**

**Make**

**Model**

**Serial No.** 6 Cyl

**Site** Kohler Volvo TAD1242 12.1L

**Compartment:**

**Name** Diesel Engine

**Make**

**Model**

**Serial No.**

**Capacity:**

**Customer:**  
ALLIED OIL - MARK LYNN  
5150 E Front Street  
Kansas City MO 64120  
USA

**DIAGNOSIS**

Engine wear levels appear satisfactory for first sample. Silicon level (dirt/sealant material) satisfactory. Water content acceptable. Please provide missing oil information at next sample submission.

Action: Resample at next recommended interval to monitor and establish wear trend.

**ANALYST:** LeDonna Neu



**Normal**

**LEGEND**



**Severe**



**Abnormal**



**Caution**



**Normal**

**DATE SAMPLED** 02-Aug-16

**DATE RECEIVED** 04-Aug-16

**DATE REPORTED** 05-Aug-16

**LAB NO.** 43020874841

**SIF NO.** 16254752

**TIME ON UNIT**

**OIL BRAND** Unidentified

**OIL TYPE** Unidentified

**OIL GRADE** Unidentified

**OIL ADDED**

**FILTER**

**OIL CHANGED**

**WO NUMBER**

**Metals (ppm)**

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

**Contaminants (ppm)**

Silicon (Si)	4
Sodium (Na)	1
Potassium (K)	<1
Water (%)	<0.05
Coolant	No

**Additives (ppm)**

Magnesium (Mg)	535
Calcium (Ca)	2555
Barium (Ba)	<1
Phosphorus (P)	1270
Zinc (Zn)	1407
Molybdenum (Mo)	48
Boron (B)	62

**Physical Tests**

Viscosity (cSt 100C)	14.0
Fuel (%)	<1
Soot (%) Infrared	0.1

**Physical / Chemical**

Base Number (mgKOH/g)	11.6
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