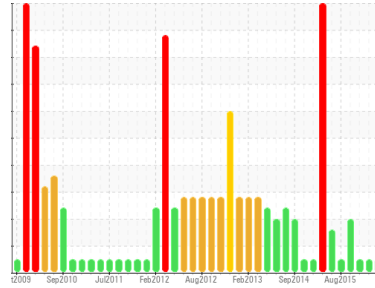


# OIL ANALYSIS REPORT



Area  
**KEMP QUARRIES / PRYOR STONE [16082166051]**  
 Machine Id  
**WL049**  
 Component  
**Diesel Engine**  
 Fluid  
**MOBIL DELVAC 1300 SUPER15W40 (--- GAL)**

Sample Rating Trend



**NORMAL**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA82166051</b>	PCA32386003	PCA28417067
Sample Date	Client Info		<b>17 Mar 2016</b>	21 Jan 2016	09 Nov 2015
Machine Age	hrs	Client Info	<b>34098</b>	33645	33161
Oil Changed		Client Info	<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method		<b>&lt;1.0</b>	<1.0	<1.0

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	<b>18</b>	19	15
Chromium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	<b>1</b>	1	1
Lead	ppm	ASTM D5185(m)	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	<b>3</b>	3	2
Tin	ppm	ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>37</b>	40	34
Barium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	<b>51</b>	49	46
Magnesium	ppm	ASTM D5185(m)	<b>944</b>	805	757
Calcium	ppm	ASTM D5185(m)	<b>1367</b>	1317	1199
Phosphorus	ppm	ASTM D5185(m)	<b>1077</b>	905	875
Zinc	ppm	ASTM D5185(m)	<b>1191</b>	1146	1011

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>2</b>	7	4
Sodium	ppm	ASTM D5185(m)	<b>2</b>	7	6
Potassium	ppm	ASTM D5185(m)	<b>1</b>	1	0
Water	%	ASTM D6304*	<b>0</b>	0	0
Glycol	%	ASTM D7922*	<b>0.0</b>	0.0	0.0

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	<b>1.85</b>	1.41	1.56

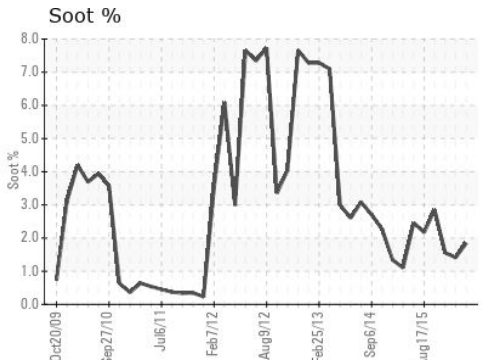
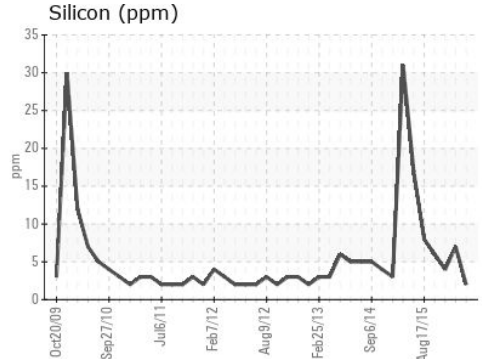
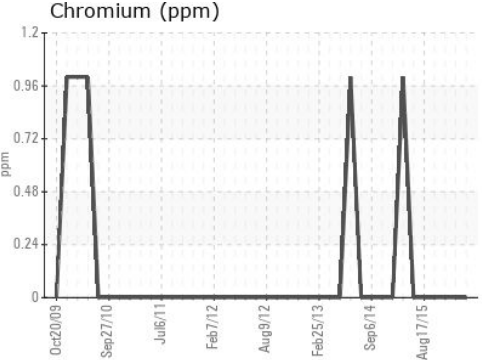
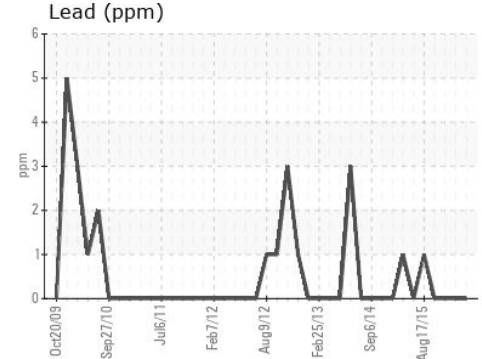
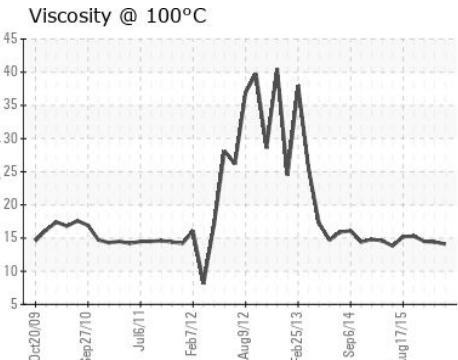
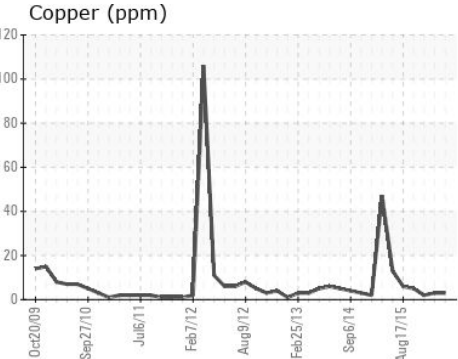
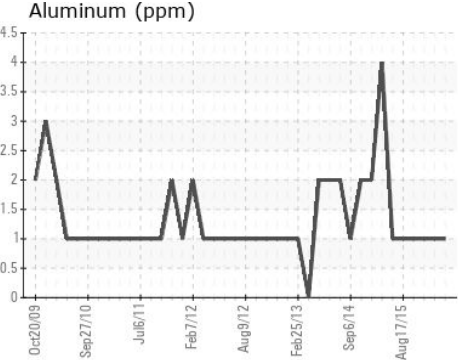
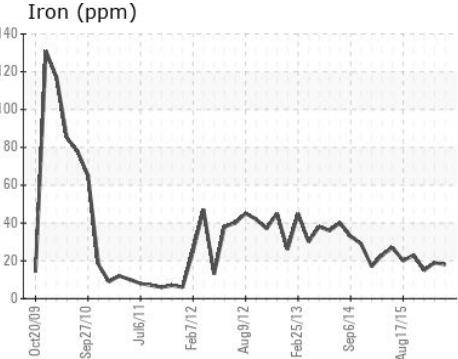
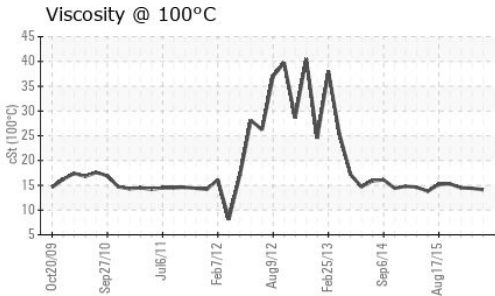
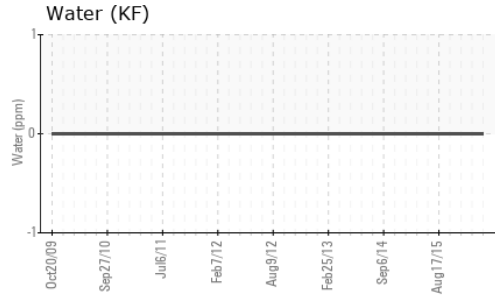
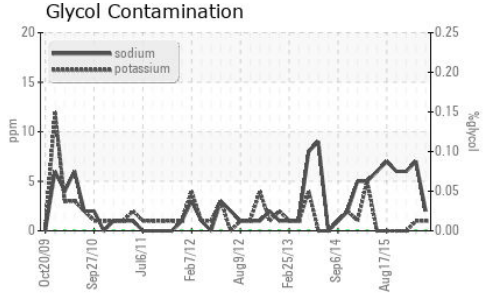
## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs./mm	ASTM D7414*	<b>4</b>	8	4

## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	<b>14.1</b>	14.4	14.5

## GRAPHS



**Laboratory** : WearCheck -  
**Sample No.** : PCA82166051  
**Lab Number** : **82166051**  
**Unique Number** : 12896721  
**Test Package** : MOB1+ ( Additional Tests: FT-IR, Glycol, ICP, KF, KV100 )  
*To discuss this sample report, contact Customer Service at 1-800-268-2131.*  
*Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.*  
*Validity of results and interpretation are based on the sample and information as supplied.*

**Received** : 22 Mar 2016  
**Diagnosed** : 05 Jun 2019  
**Diagnostician** : Wes Davis

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