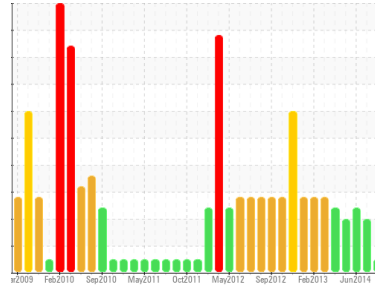


# OIL ANALYSIS REPORT



Area  
**KEMP QUARRIES / PRYOR STONE [14322125046]**  
 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>PCA22125046</b>	PCA72216018	PCA88472064
Sample Date	Client Info		<b>04 Nov 2014</b>	06 Sep 2014	26 Jun 2014
Machine Age	hrs	Client Info	<b>31022</b>	30554	300460
Oil Age	hrs	Client Info	<b>468</b>	---	430
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	SEVERE	SEVERE

## 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>29</b>	33	40
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>2</b>	1	2
Lead	ppm	ASTM D5185(m)	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	<b>3</b>	4	5
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>27</b>	33	26
Barium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	<b>32</b>	45	37
Magnesium	ppm	ASTM D5185(m)	<b>377</b>	462	432
Calcium	ppm	ASTM D5185(m)	<b>2544</b>	2319	2205
Phosphorus	ppm	ASTM D5185(m)	<b>1092</b>	1118	1056
Zinc	ppm	ASTM D5185(m)	<b>1272</b>	1295	1172

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>4</b>	5	5
Sodium	ppm	ASTM D5185(m)	<b>2</b>	1	0
Potassium	ppm	ASTM D5185(m)	<b>2</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>2.26</b>	2.71	3.08

## FLUID DEGRADATION

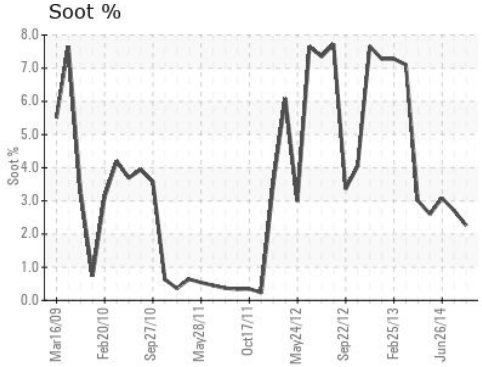
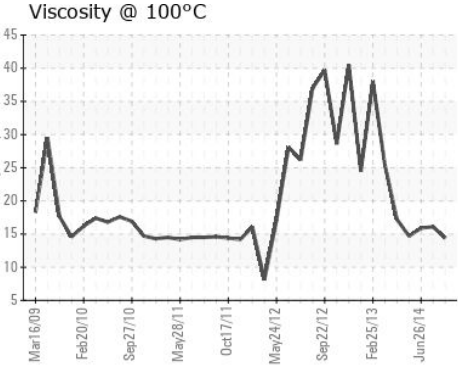
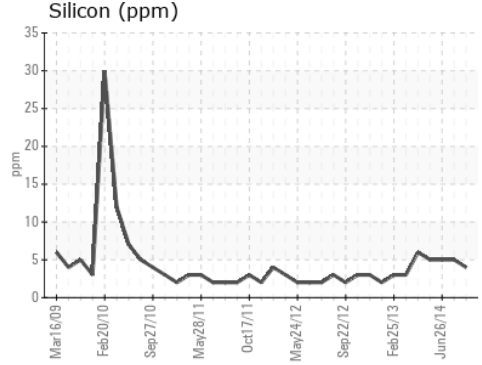
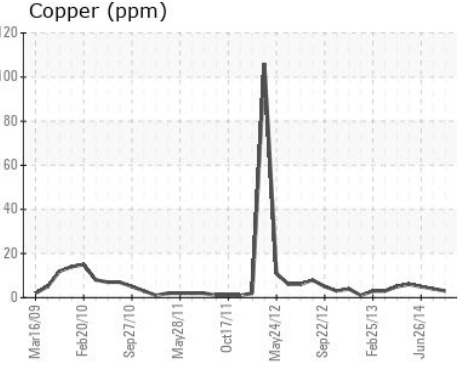
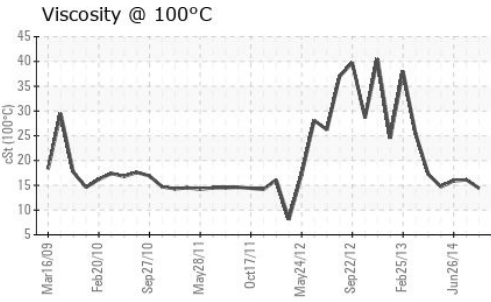
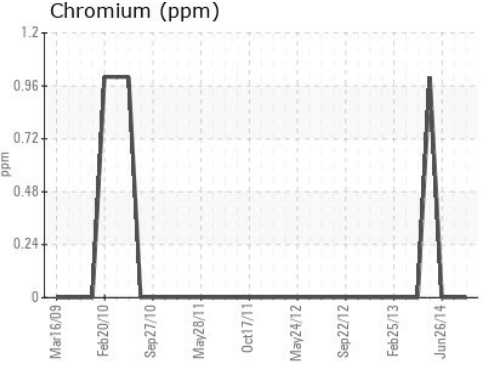
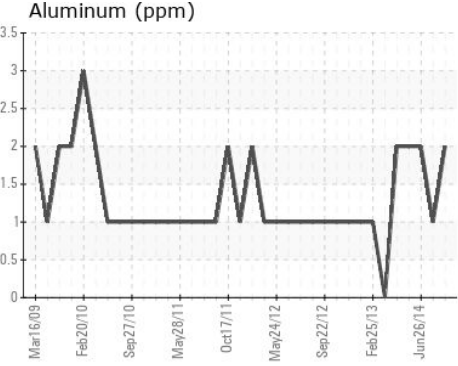
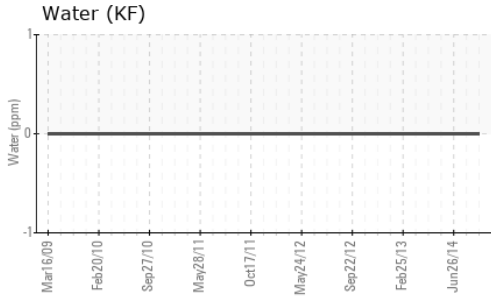
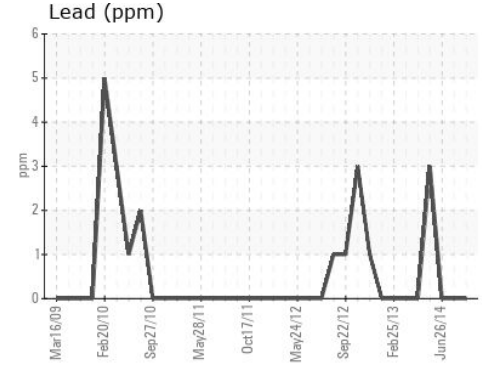
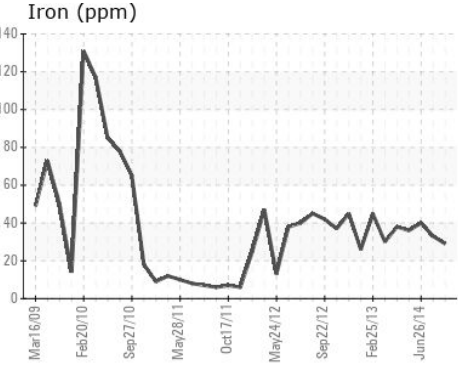
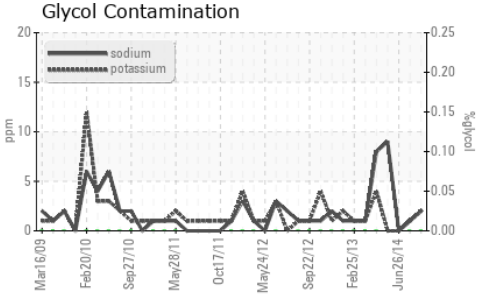
	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	<b>0</b>	4	3

## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	<b>14.4</b>	16.1	15.9

# OIL ANALYSIS REPORT

## GRAPHS



**Laboratory** : WearCheck -  
**Sample No.** : PCA22125046  
**Lab Number** : **22125046**  
**Unique Number** : 12897390  
**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** : 18 Nov 2014  
**Diagnosed** : 05 Jun 2019  
**Diagnostician** : Wes Davis

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