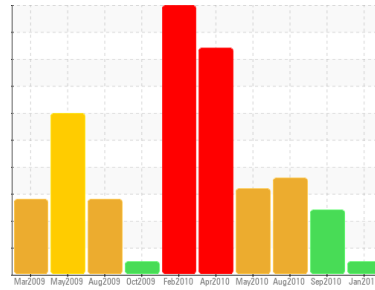


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / PRYOR STONE [11018139016]
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		PCA18139016	PCA74136007	PCA28571048
Sample Date	Client Info		07 Jan 2011	27 Sep 2010	07 Aug 2010
Machine Age	hrs	Client Info	23114	22418	22079
Oil Age	hrs	Client Info	377	339	311
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	SEVERE	SEVERE

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method		<1.0	<1.0	<1.0

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	18	65	▲ 78
Chromium	ppm	ASTM D5185(m)	0	0	0
Nickel	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m)	1	1	1
Lead	ppm	ASTM D5185(m)	0	0	2
Copper	ppm	ASTM D5185(m)	3	5	7
Tin	ppm	ASTM D5185(m)	0	1	0
Vanadium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	40	29	15
Barium	ppm	ASTM D5185(m)	0	0	0
Molybdenum	ppm	ASTM D5185(m)	39	41	35
Magnesium	ppm	ASTM D5185(m)	428	411	366
Calcium	ppm	ASTM D5185(m)	2085	2040	1907
Phosphorus	ppm	ASTM D5185(m)	958	994	860
Zinc	ppm	ASTM D5185(m)	1136	1126	1055

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	3	4	5
Sodium	ppm	ASTM D5185(m)	0	2	2
Potassium	ppm	ASTM D5185(m)	1	1	2
Water	%	ASTM D6304*	0	0	0
Glycol	%	ASTM D7922*	0.0	0.0	0.0

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0.63	● 3.58	● 3.94

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	6	6	4

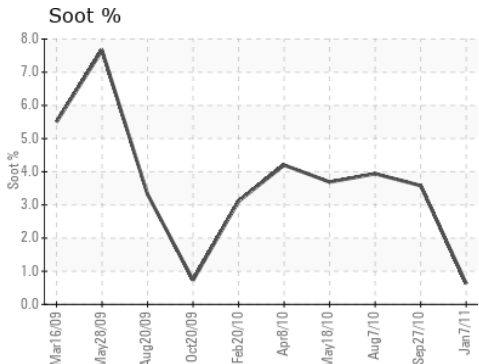
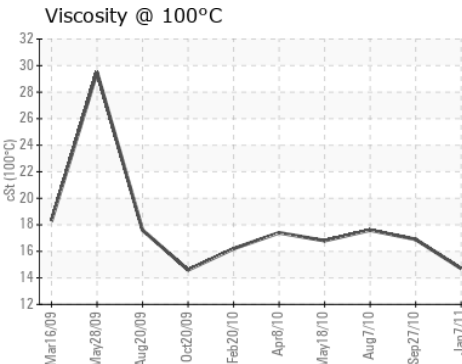
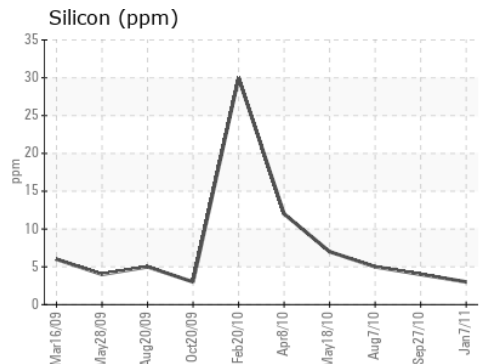
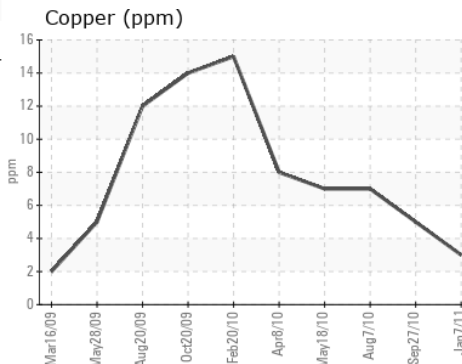
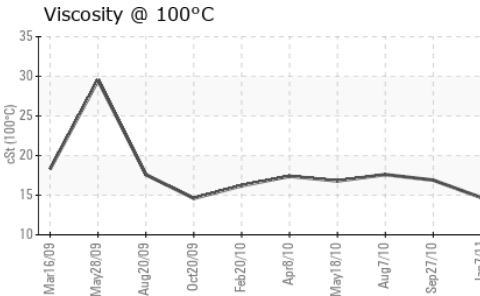
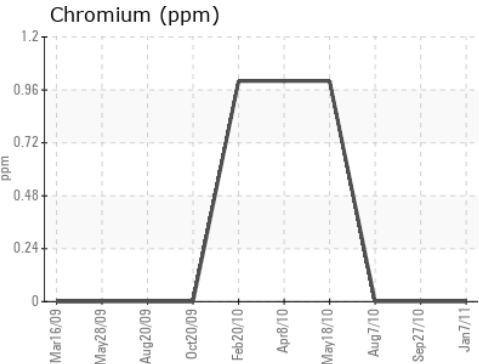
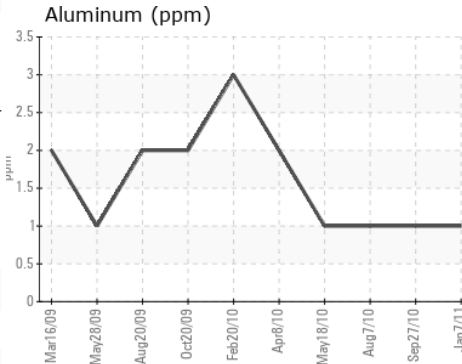
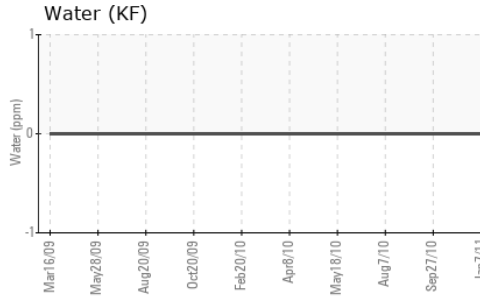
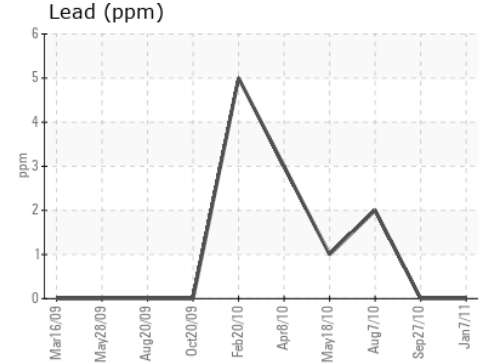
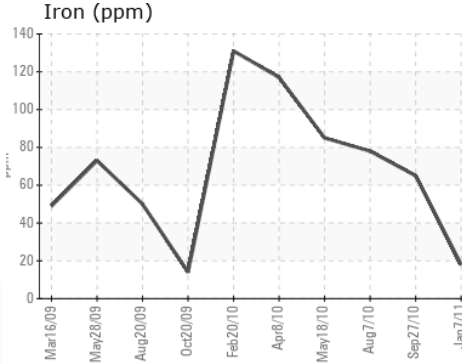
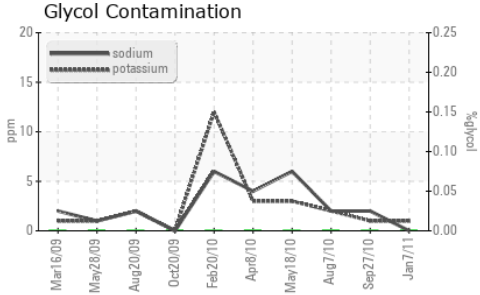
FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.7	▲ 16.9	● 17.6



OIL ANALYSIS REPORT

GRAPHS



Laboratory : WearCheck -
Sample No. : PCA18139016
Lab Number : 18139016
Unique Number : 12898313
Test Package : MOB1+ (Additional Tests: FT-IR, Glycol, ICP, KF, KV100)

Received : 18 Jan 2011
Diagnosed : 05 Jun 2019
Diagnostician : Wes Davis

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.

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