

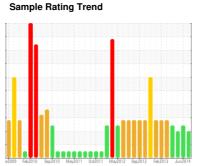
OIL ANALYSIS REPORT



KEMP QUARRIES / PRYOR STONE [14272216018] **WL049**

Component **Diesel Engine**

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)





DIAGNOSIS

Recommendation

We advise that you check for faulty combustion. plugged air filters, or aftercoolers. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

There is an abnormal amount of solids and carbon present in the oil. The water content is negligible.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFO	OITAME	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA72216018	PCA88472064	PCA0165703
Sample Date		Client Info		06 Sep 2014	26 Jun 2014	03 Apr 2014
Machine Age	hrs	Client Info		30554	300460	29616
Oil Age	hrs	Client Info			430	445
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method		<1.0	<1.0	<1.0
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		33	40	36
Chromium	ppm	ASTM D5185(m)		0	0	1
Nickel	ppm	ASTM D5185(m)		0	0	1
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)		1	2	2
Lead	ppm	ASTM D5185(m)		0	0	3
Copper	ppm	ASTM D5185(m)		4	5	6
Tin	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		33	26	24
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		45	37	30
Magnesium	ppm	ASTM D5185(m)		462	432	366
Calcium	ppm	ASTM D5185(m)		2319	2205	2429
Phosphorus	ppm	ASTM D5185(m)		1118	1056	1108
Zinc	ppm	ASTM D5185(m)		1295	1172	1264
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		5	5	5
Sodium	ppm	ASTM D5185(m)		1	0	9
Potassium	ppm	ASTM D5185(m)		1	0	0
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*		2.71	● 3.08	2.6
FLUID DEGRA	ADATION	M method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		4	3	1
Oxidation FLUID PROP			limit/base	4 current	3 history1	history2

Visc @ 100°C

ASTM D7279(m)

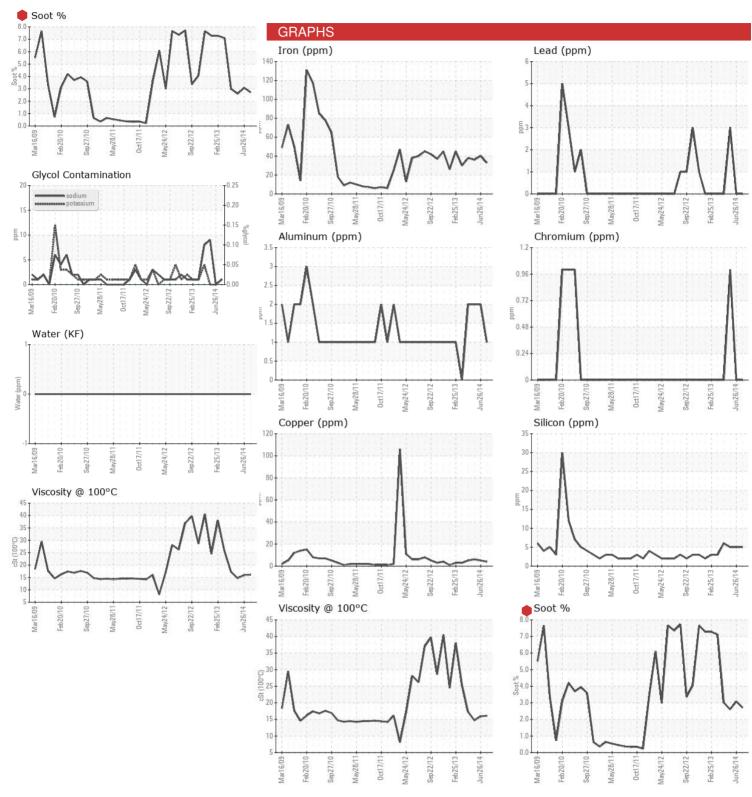
16.1

15.9

14.7



OIL ANALYSIS REPORT





Laboratory : WearCheck -

 Sample No.
 : PCA72216018
 Received
 : 29 Sep 2014

 Lab Number
 : 72216018
 Diagnosed
 : 05 Jun 2019

 Unique Number
 : 12895026
 Diagnostician
 : Wes Davis

 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.

Kemp Quarries - Pryor Stone - Pryor

1050 E 520 Rd Pryor, OK US 74361

Contact:

pryor@pryorstone.com

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