

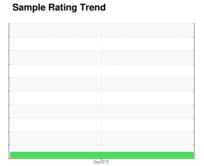
# **OIL ANALYSIS REPORT**



KEMP QUARRIES / BCS - GRAVETTE [18274279077] Engine Oil

Biogas Engine

MOBIL DELVAC 1300 SUPER15W40 (--- GAL)





## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

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.

OF EN 13W40 (	,					
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA74279077		
Sample Date		Client Info		17 Sep 2018		
Machine Age	hrs	Client Info		29829		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method		<1.0		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		7		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)		0		
Lead	ppm	ASTM D5185(m)		0		
Copper	ppm	ASTM D5185(m)		1		
Tin	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		34		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		35		
Magnesium	ppm	ASTM D5185(m)		472		
Calcium	ppm	ASTM D5185(m)		1422		
Phosphorus	ppm	ASTM D5185(m)		708		
Zinc	ppm	ASTM D5185(m)		862		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		3		
Sodium	ppm	ASTM D5185(m)		1		
Potassium	ppm	ASTM D5185(m)		1		
Water	%	ASTM D6304*		0		
Glycol	%	ASTM D7922*		0.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0.79		
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		2		
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)		12.9		



# **OIL ANALYSIS REPORT**





Laboratory : WearCheck -

: 01 Oct 2018 Sample No. : PCA74279077 Received Lab Number : 74279077 **Tested** : 03 Oct 2018

Unique Number : 12889472 Diagnosed : 05 Jun 2019 - 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 - Benton County Stone - Gravette

15100 N Hwy 59 Sulphur Springs, AR

US 72768

Contact:

gravette@bentoncountystone.com

Contact/Location: - KEMSUL

T:

F: