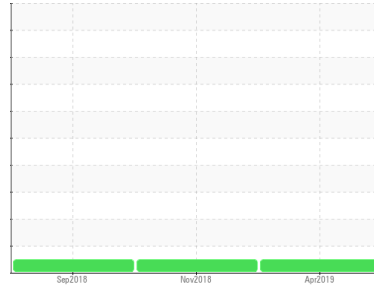


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**


Area  
**KEMP QUARRIES / RIVER VALLEY BACKBONE [19105482003]**  
 Machine Id  
**CRSH027**  
 Component  
**Gear Drive**  
 Fluid  
**Mobilgear 629 (--- GAL)**


**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>PCA05482003</b>	PCA23343023	PCA64156003
Sample Date	Client Info			<b>01 Apr 2019</b>	07 Nov 2018	14 Sep 2018
Machine Age	hrs	Client Info		<b>449</b>	63	1
Oil Age	hrs	Client Info		<b>449</b>	63	500
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	SEVERE

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		<b>23</b>	18	26
Chromium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)		<b>6</b>	4	9
Lead	ppm	ASTM D5185(m)		<b>13</b>	6	11
Copper	ppm	ASTM D5185(m)		<b>62</b>	43	66
Tin	ppm	ASTM D5185(m)		<b>3</b>	1	3

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>20</b>	20	11
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	2	0
Magnesium	ppm	ASTM D5185(m)		<b>0</b>	0	1
Calcium	ppm	ASTM D5185(m)		<b>22</b>	1	6
Phosphorus	ppm	ASTM D5185(m)		<b>320</b>	257	254
Zinc	ppm	ASTM D5185(m)		<b>121</b>	3	8

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		<b>23</b>	13	27
Sodium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Potassium	ppm	ASTM D5185(m)		<b>2</b>	1	3
Water	%	ASTM D6304*		<b>0</b>	0	0.1

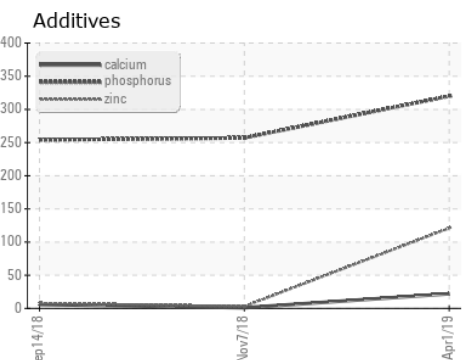
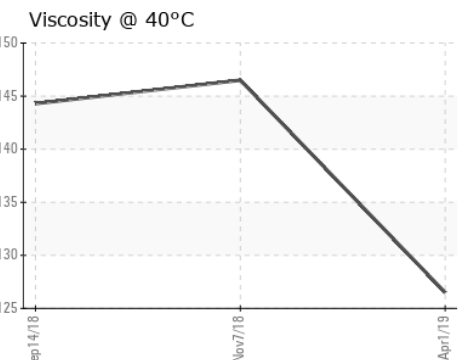
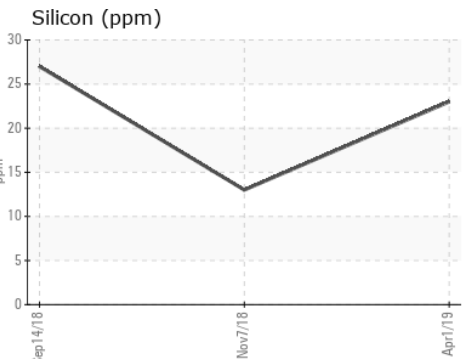
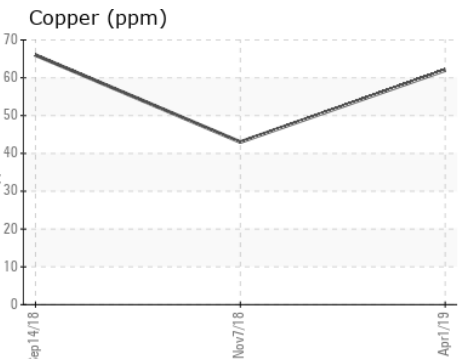
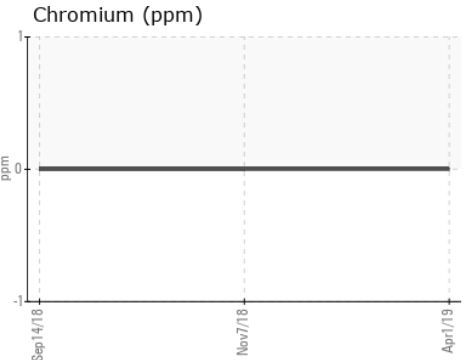
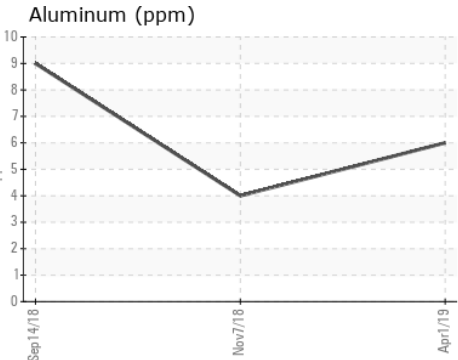
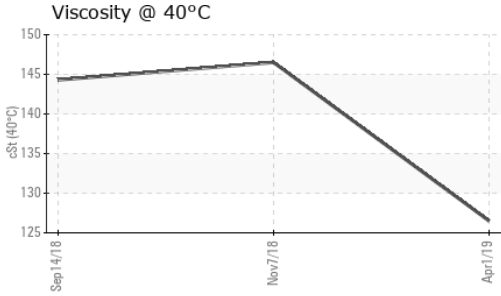
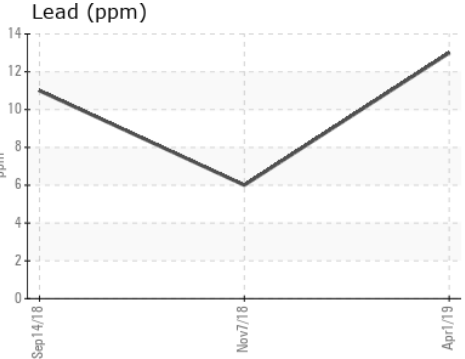
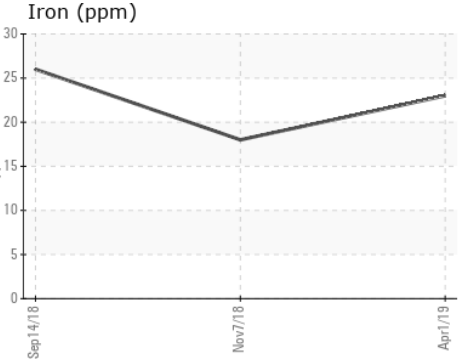
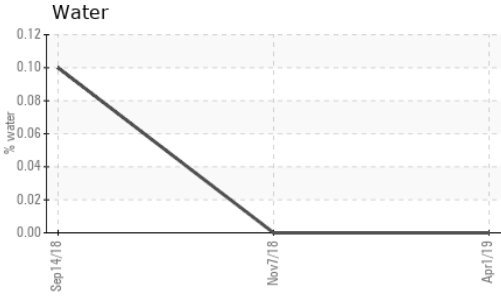
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		<b>0</b>	1	1

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		<b>126.5</b>	146.5	144.3

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color					<i>no image</i>	<i>no image</i>
Bottom					<i>no image</i>	<i>no image</i>

# OIL ANALYSIS REPORT

## GRAPHS



**Laboratory** : WearCheck -  
**Sample No.** : PCA05482003     **Received** : 15 Apr 2019  
**Lab Number** : 05482003     **Diagnosed** : 05 Jun 2019  
**Unique Number** : 12898751     **Diagnostician** : Wes Davis  
**Test Package** : MOB1+ ( Additional Tests: FT-IR, ICP, KF, KV40 )  
*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 - River Valley - Backbone**  
 5600 S Hwy 253  
 Huntington, AR  
 US 72940  
 Contact:  
 backbone@rivervalleyquarries.com  
 T:  
 F: