

OIL ANALYSIS REPORT

Area KEMP QUARRIES / BCS - STILLWELL Machine Id WL090 Component

Front Differential Fluid TDTO FLUID SAE 50 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: PM-2 sampled fluid)

🔺 Wear

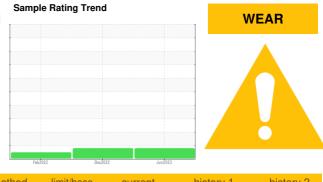
Gear wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

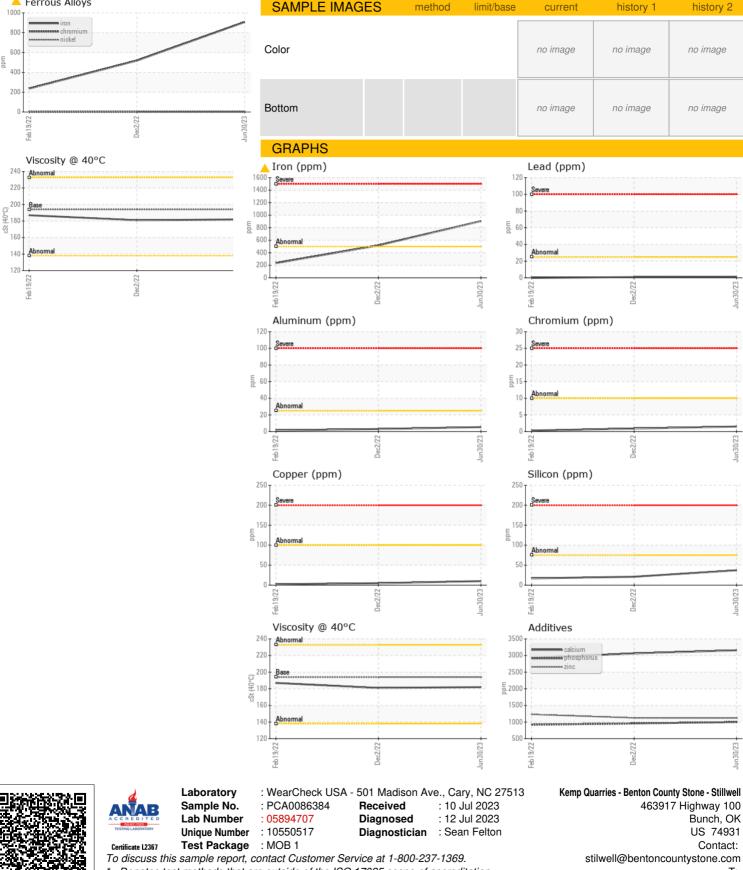


SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0086384	PCA0061843	PCA0048896
Sample Date		Client Info		30 Jun 2023	02 Dec 2022	19 Feb 2022
Machine Age	hrs	Client Info		22640	22251	21599
Oil Age	hrs	Client Info		22640	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>500	4 907	<u> </u>	236
Chromium	ppm	ASTM D5185m	>10	2	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	5	3	2
Lead	ppm	ASTM D5185m	>25	1	<1	0
Copper	ppm		>100	10	5	2
Tin	ppm	ASTM D5185m	>10	1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	37	0	2	3
Barium	ppm	ASTM D5185m	7	0	0	0
Molybdenum	ppm	ASTM D5185m	5	1	1	<1
Manganese	ppm	ASTM D5185m		7	4	<1
Magnesium	ppm	ASTM D5185m	40	24	21	0
Calcium	ppm	ASTM D5185m	2650	3156	3065	2928
Phosphorus	ppm	ASTM D5185m	1050	997	957	919
Zinc	ppm	ASTM D5185m	1075	1121	1124	1230
Sulfur	ppm	ASTM D5185m	5750	5997	5321	3693
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>75	37	21	17
Sodium	ppm	ASTM D5185m		2	<1	1
Potassium	ppm	ASTM D5185m	>20	1	<1	0
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C 2:20:37) Rev: 1	cSt	ASTM D445	194	182	181	187 Submitted By:



🔺 Ferrous Alloys

OIL ANALYSIS REPORT



* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact:

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