

OIL ANALYSIS REPORT

Sample Rating Trend





KEMP QUARRIES / HULBERT **WL068**

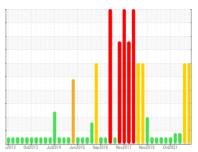
Component Rear Right Final Driv

PETRO CANADA PROD

Copper

Silicon

Tin





DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination in the

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

/e						
URO TO-4 SAE 50 (-	GAL)	2013 Oct201	13 Jul2014 Jun2015	Sep2016 Nov2017 Nov2019 (e2021	
SAMPLE INFORI	MATION		limit/base	current	history1	history2
Sample Number		Client Info		PCA0109296	PCA0086435	PCA0086123
Sample Date		Client Info		05 Jan 2024	05 Jul 2023	08 Apr 2023
Machine Age	hrs	Client Info		24725	23571	0
Oil Age	hrs	Client Info		0	23571	0
Oil Changed		Client Info		Changed	N/A	Not Changd
Sample Status				SEVERE	SEVERE	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
				ourront	Thotory	HISTOLYZ
Iron	ppm	ASTM D5185m	>800	3528	3263	△ 678
Iron Chromium	ppm	ASTM D5185m ASTM D5185m	>800 >10			,
				3528	3263	△ 678
Chromium	ppm	ASTM D5185m	>10	3528	3263	▲ 678 1
Chromium Nickel	ppm ppm	ASTM D5185m ASTM D5185m	>10 >5	3528 8 <1	3263 7 1	▲ 678 1 0
Chromium Nickel Titanium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>10 >5 >15	3528 8 <1 <1	■ 326371<1	▲ 678 1 0

Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	21	21	12
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	3	4	3
Manganese	ppm	ASTM D5185m	0	23	22	5
Magnesium	ppm	ASTM D5185m	9	56	59	41
Calcium	ppm	ASTM D5185m	3114	2440	2664	2233
Phosphorus	ppm	ASTM D5185m	1099	813	946	998
Zinc	ppm	ASTM D5185m	1245	777	950	1085
Sulfur	ppm	ASTM D5185m	7086	5807	8666	8067
CONTAMINAN	TS	method	limit/base	current	history1	history2

57

<1

48

40

<1

42

16

11

0

ASTM D5185m >75

ASTM D5185m >8

ASTM D5185m \400

ppm

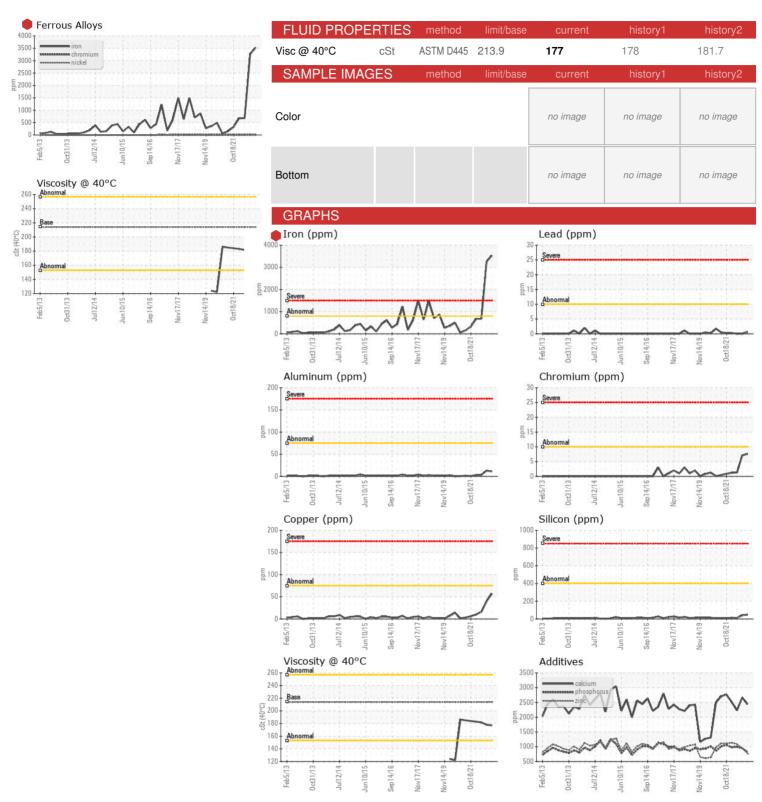
ppm

nnm

Silicon	ppm	HICOLCA INLOW	>400	40	42	11
Sodium	ppm	ASTM D5185m		5	3	1
Potassium	ppm	ASTM D5185m	>20	<1	2	0
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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	NONE
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NFG	NEG	NFG



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Laboratory

Sample No. Lab Number **Unique Number**

Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0109296 : 06070139 : 10846816

Recieved Diagnosed

: 24 Jan 2024 : 26 Jan 2024 : Sean Felton Diagnostician

Kemp Quarries - Kemp Stone - Hulbert

17801 Hwy 80 Hulbert, OK US 74441

Contact:

hulbert@kempstone.com

T: F:

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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)