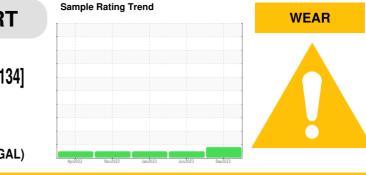


OIL ANALYSIS REPORT



KEMP QUARRIES / BCS - GRAVETTE [66134] WL143 Component Rear Differential Fluid

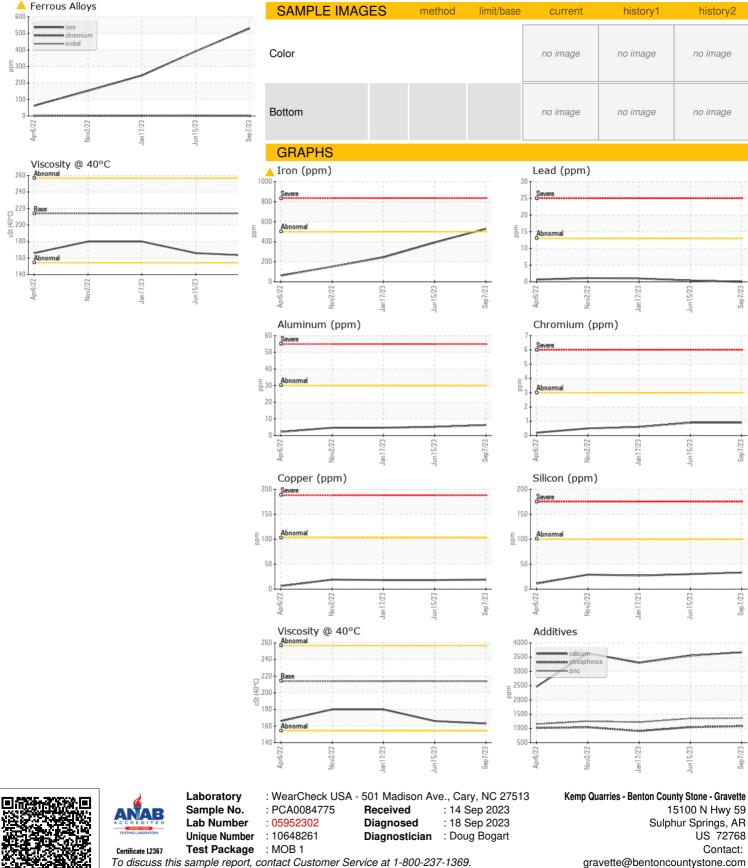
PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		PCA0084775	PCA0086320	PCA0062018
Oil and filter change at the time of sampling has	Sample Date		Client Info		07 Sep 2023	15 Jun 2023	17 Jan 2023
been noted. Resample at the next service interval	Machine Age	hrs	Client Info		39571	39015	38511
to monitor. (Customer Sample Comment: Pm4)	Oil Age	hrs	Client Info		38110	39015	38511
📥 Wear	Oil Changed		Client Info		Changed	N/A	N/A
Gear wear is indicated.	Sample Status				ABNORMAL	NORMAL	NORMAL
Contamination There is no indication of any contamination in the	WEAR METAI	S	method	limit/base	current	history1	history2
oil.	Iron	ppm	ASTM D5185m	>500	5 30	392	245
Fluid Condition	Chromium	ppm	ASTM D5185m	>3	<1	<1	<1
The condition of the oil is acceptable for the time in	Nickel	ppm	ASTM D5185m	>3	<1	0	0
service.	Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		6	5	5
	Lead	ppm	ASTM D5185m		0	<1	1
	Copper	ppm	ASTM D5185m		19	18	18
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m	, 0	0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		<1	0	<1
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	1	<1
	Manganese	ppm	ASTM D5185m		4	3	2
	Magnesium	ppm	ASTM D5185m		- 27	25	21
	Calcium		ASTM D5185m		3668	3552	3301
	Phosphorus	ppm	ASTM D5185m		1079	1044	906
	Zinc	ppm					1218
	Sulfur	ppm ppm	ASTM D5185m ASTM D5185m		1361 6492	1348 6365	5681
	CONTAMINA		method	limit/base		history1	history2
	Silicon	ppm	ASTM D5185m		33	30	27
	Sodium	ppm	ASTM D5185m	2100	<1	0	0
	Potassium	ppm	ASTM D5185m	>20	0	<1	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	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	7.L	NEG	NEG	NEG
	FLUID PROPE		method	limit/base		history1	history2
	Visc @ 40°C	cSt	ASTM D445		163	166	180
Report Id: I/EMCI II. IM/I ICCARI 050502002 (Constrated: 00/18/2002	•	001	70 I W D440	210.0	100	100	LOU Cubmitted Dy

Report Id: KEMSUL [WUSCAR] 05952302 (Generated: 09/18/2023 22:00:20) Rev: 1



OIL ANALYSIS REPORT



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)

US 72768

Contact:

Т:

F:

history2

no image

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Sep7/23

Sep7/23