

OIL ANALYSIS REPORT

Sample Rating Trend

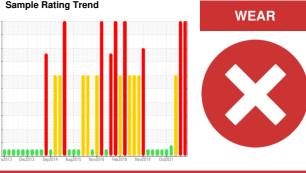


KEMP QUARRIES / HULBERT WL068 Component

Rear Differential

Fluid

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



DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		PCA0086811	PCA0086436	PCA0086166
The oil change at the time of sampling has been	Sample Date		Client Info		05 Jan 2024	05 Jul 2023	08 Apr 2023
noted. We advise that you inspect for the source(s)	Machine Age	hrs	Client Info		24725	23571	23003
of wear. We recommend an early resample to	Oil Age	hrs	Client Info		24725	23571	0
nonitor this condition.	Oil Changed		Client Info		Changed	N/A	Not Changd
Wear	Sample Status				SEVERE	SEVERE	SEVERE
Gear wear is indicated. Contamination There is no indication of any contamination in the oil. Fluid Condition	CONTAMINA	TION	method	limit/base	current	history1	history2
	Water		WC Method	>.2	NEG	NEG	NEG
	WEAR META	LS	method	limit/base	current	history1	history2
The oil is no longer serviceable as a result of the abnormal and/or severe wear.	Iron	ppm	ASTM D5185m	>500	93731	93187	1128
	Chromium	ppm	ASTM D5185m	>3	• 8	• 7	2
	Nickel	ppm	ASTM D5185m	>3	<1	1	0
	Titanium	ppm	ASTM D5185m	>2	<1	<1	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>30	11	13	4
	Lead	ppm	ASTM D5185m	>13	<1	<1	0
	Copper	ppm	ASTM D5185m	>103	60	40	16
	Tin	ppm	ASTM D5185m	>5	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	<1	0
	Cadmium	ppm	ASTM D5185m		<1	<1	<1
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	2	21	21	15
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	0	3	4	3
	Manganese	ppm	ASTM D5185m	0	24	22	8
	Magnesium	ppm	ASTM D5185m	9	56	60	46
	Calcium	ppm	ASTM D5185m	3114	2446	2715	2408
	Phosphorus	ppm	ASTM D5185m	1099	820	951	993
	Zinc	ppm	ASTM D5185m	1245	770	949	1095
	Sulfur	ppm	ASTM D5185m	7086	5846	8699	7917
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>100	50	41	17
	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	>.2	NEG	NEG	NEG
	E		*1 /2 1		NEO	NEO	NIEO

scalar *Visual

NEG

NEG

Report Id: KEMHUL [WUSCAR] 06070141 (Generated: 01/26/2024 13:39:20) Rev: 2

Free Water

NEG

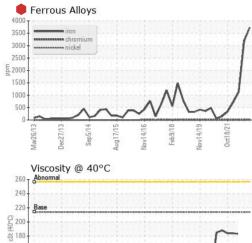


160

140

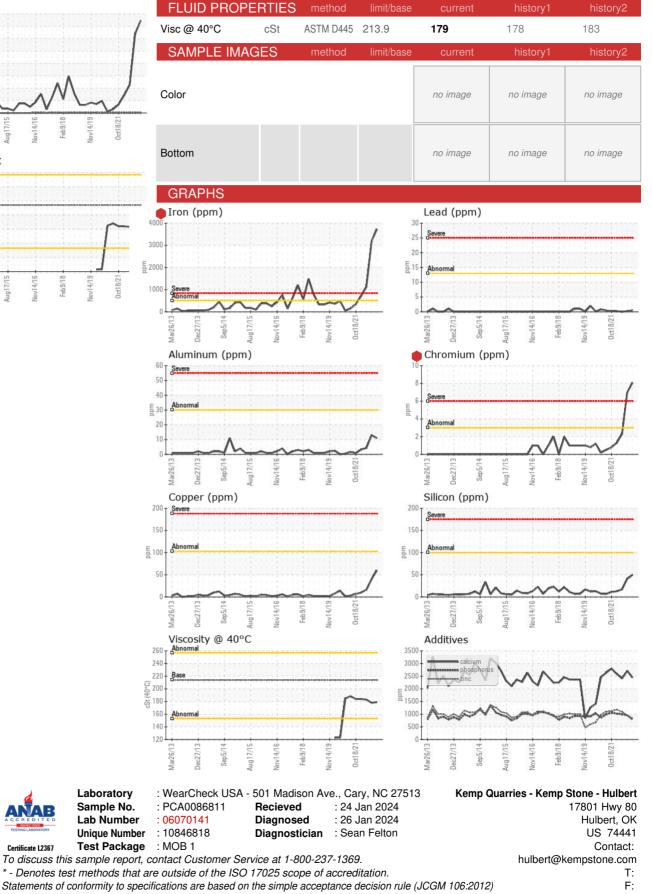
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OIL ANALYSIS REPORT



Inv14/16

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Certificate L2367