

OIL ANALYSIS REPORT

Sample Rating Trend



DIAGNOSIS

Recommendation

Wear

oil.

service.

Area KEMP QUARRIES / MUSKOGEE SAND [69617] WL109 Rear Left Final Drive

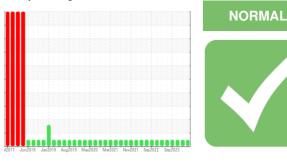
Fluid

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

Sample Number

SAMPLE INFORMATION method

Client Info



PCA0109275

04 Apr 2024

58740

51204

NORMAL

NEG

N/A

>0.2

PCA0086512

50702

50702

NORMAL

NEG

N/A



PCA0070581

50215

50215

NORMAL

NEG

N/A

05 Feb 2024 22 Nov 2023

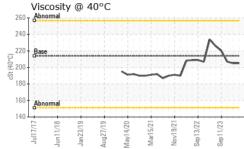
Resample at the next service interval to monitor. (Sample Date Client Info Customer Sample Comment: PM-3 sampled fluid) Machine Age hrs **Client Info** Oil Age hrs Client Info All component wear rates are normal. Oil Changed **Client Info** Sample Status Contamination There is no indication of any contamination in the CONTAMINATION Water WC Method Fluid Condition The condition of the oil is acceptable for the time in Irc С Ν Ti S A Le С Ti

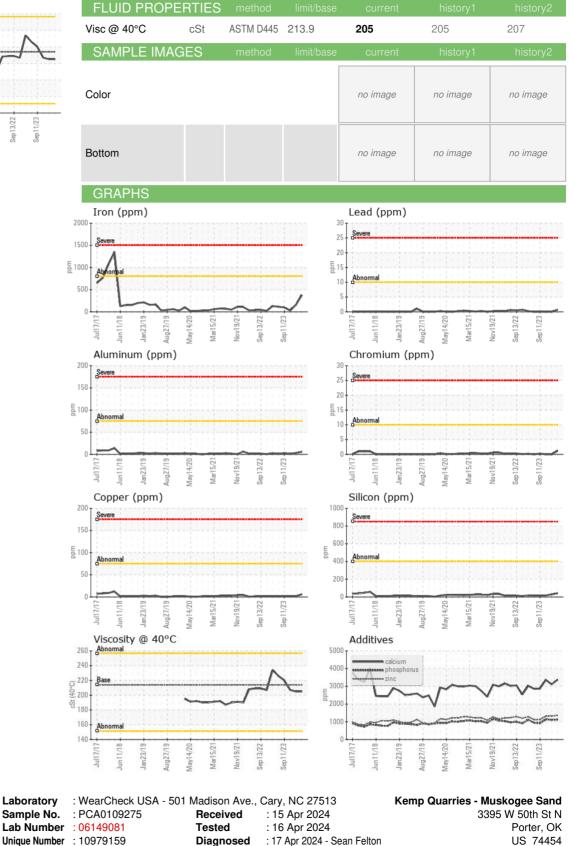
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	378	160	28
Chromium	ppm	ASTM D5185m	>10	1	0	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>15	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	6	3	1
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>75	6	1	1
Tin	ppm	ASTM D5185m	>8	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	0	<1	0
Barium	ppm	ASTM D5185m	0	1	0	0
Molybdenum	ppm	ASTM D5185m	0	1	0	0
Manganese	ppm	ASTM D5185m	0	4	1	0
Magnesium	ppm	ASTM D5185m	9	15	14	13
Calcium	ppm	ASTM D5185m	3114	3377	3108	3361
Phosphorus	ppm	ASTM D5185m	1099	1120	1111	1135
Zinc	ppm	ASTM D5185m	1245	1354	1320	1310
Sulfur	ppm	ASTM D5185m	7086	5555	5227	5248
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	41	29	17
Sodium	ppm	ASTM D5185m		2	2	0
Potassium	ppm	ASTM D5185m	>20	3	<1	3
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

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		NEG	NEG	NEG
4:12:37) Rev: 1						Submitted By:



OIL ANALYSIS REPORT







 Unique Number
 : 10979159
 Diagnosed
 : 17 Apr 2024 - Sean Felton

 Certificate 12367
 Test Package
 : MOB 1
 muskoge

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
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 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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