

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



KEMP QUARRIES / PRYOR STONE [68457] WL138

Component

Transmission (Manual)

PETRO CANADA PRODU

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Pm4 performed. All oil samples taken. All oils, and all filters changed.)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

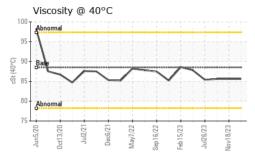
Fluid Condition

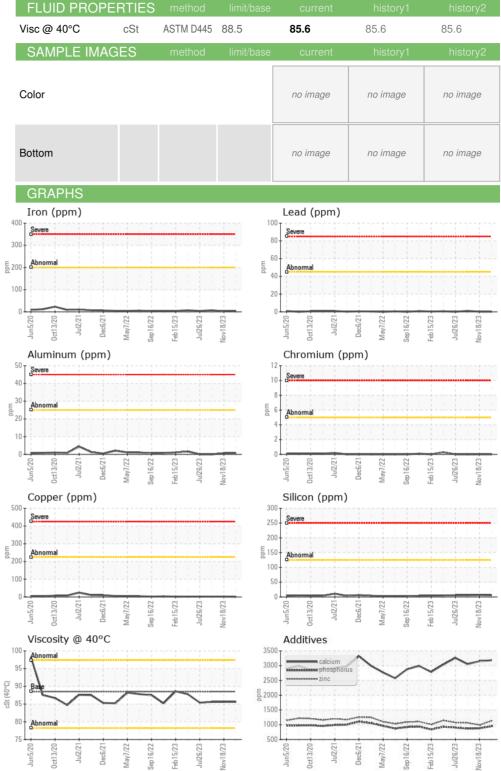
The condition of the fluid is acceptable for the time in service.

Sample Number Client Info PCA0086280 PCA0084322 PCA008 Sample Date Client Info 02 Feb 2024 18 Nov 2023 25 Sep Machine Age hrs Client Info 33561 33032 32144 32144 Gil Changed Client Info Changed Oil Added Changed NORMAL	O TO-4 SAE 30 ((GAL)	102220 Oct 20	20 bul2021 Dec2021 Ma	2022 Sec2022 Esb2022 July222	May2022	
Sample Number Client Info PCA0086280 PCA0084322 PCA008 Sample Date Client Info 02 Feb 2024 18 Nov 2023 25 Sep Machine Age hrs Client Info 33561 33032 32144 32144 Oil Changed Client Info Changed Oil Added Changed NORMAL	SAMPLE INFOR	RMATION	l method	limit/base	current	history1	history2
Sample Date Client Info 02 Feb 2024 18 Nov 2023 25 Sep Machine Age hrs Client Info 33561 33032 32144 32144 2011 Changed Client Info 973 444 Available		_			PCA0086280	•	PCA008427
Machine Age hrs Client Info 973 33032 32144 3214							25 Sep 202
Dil Age	•	hrs					
Client Info							
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Chromium	Vater		WC Method	>0.1	NEG	NEG	NEG
Chromium	WEAR METAL	LS	method	limit/base	current	history1	history2
Stricke ppm ASTM D5185m >5 0 0 0 0 0 0 0 0 0	ron	ppm	ASTM D5185m	>200	3	2	7
Strickel	Chromium		ASTM D5185m	>5	0	0	0
	lickel				0		0
Silver							
Astrophysical Researce Astrophysical Resea				>7	-		
A	-				-		
ASTM D5185m Source Sourc							
Academium							
Anadium ppm ASTM D5185m 0 <1 0 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 hist Boron ppm ASTM D5185m 2 1 1 4 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 1 2 Manganese ppm ASTM D5185m 9 <1							
Cadmium ppm ASTM D5185m 0 0 0 ADDITIVES method limit/base current history1 hist Boron ppm ASTM D5185m 2 1 1 4 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 1 2 Manganese ppm ASTM D5185m 9 <1							
ADDITIVES							
Dear	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 0 0 1 2 Manganese ppm ASTM D5185m 9 <1 0 0 Magnesium ppm ASTM D5185m 1 17 12 19 Calcium ppm ASTM D5185m 3131 3183 3150 3052 Phosphorus ppm ASTM D5185m 3131 3183 3150 3052 Phosphorus ppm ASTM D5185m 1194 948 879 869 Zinc ppm ASTM D5185m 1281 1130 989 1066 Sulfur ppm ASTM D5185m 3811 3553 3033 3459 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >125 6 6 6 6 Goldium ppm ASTM D5185m >20 0 0 0 0 VISUAL method	Boron	ppm	ASTM D5185m	2	1	1	4
Manganese ppm ASTM D5185m 9 <1 0 0 Magnesium ppm ASTM D5185m 1 17 12 19 Magnesium ppm ASTM D5185m 3131 3183 3150 3052 Phosphorus ppm ASTM D5185m 1194 948 879 869 Zinc ppm ASTM D5185m 1281 1130 989 1066 Sulfur ppm ASTM D5185m 3811 3553 3033 3459 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >125 6 6 6 Sodium ppm ASTM D5185m >20 0 0 0 VISUAL method limit/base current history1 hist Visual NONE NONE NONE NONE Visual NONE NONE NONE NONE Vi	Barium	ppm	ASTM D5185m	0	0	0	0
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Zinc ppm ASTM D5185m 1281 1130 989 1066 Sulfur ppm ASTM D5185m 3811 3553 3033 3459 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >125 6 6 6 6 Sodium ppm ASTM D5185m 2 NON NONE NONE NONE <td>Phosphorus</td> <td></td> <td></td> <td>1194</td> <td>948</td> <td>879</td> <td>869</td>	Phosphorus			1194	948	879	869
Sulfur ppm ASTM D5185m 3811 3553 3033 3459 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >125 6 6 6 6 Sodium ppm ASTM D5185m 2 NON NONE NONE NONE <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Solicon	_						3459
Sodium ppm ASTM D5185m 2	CONTAMINA	NTS	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 0 0 0 0 VISUAL method limit/base current history1 hist White Metal scalar *Visual NONE NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Silicon	ppm	ASTM D5185m	>125	6	6	6
VISUAL method limit/base current history1 hist White Metal scalar *Visual NONE NONE NONE NONE Vellow Metal scalar *Visual NONE NONE NONE NONE Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	Sodium	ppm	ASTM D5185m		2	2	2
White Metal scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	otassium	ppm	ASTM D5185m	>20	0	0	0
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONE	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON		scalar					NONE
Silt scalar *Visual NONE NONE NONE NONE NONE NONE NONE NON	ellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONE	recipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt scalar *Visual NONE NONE NONE NONE	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Annearance scalar *Visual NORMI NORMI NORMI NORMI	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
appoaration social visual individe individ individe individe individe	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor scalar *Visual NORML NORML NORML NORML	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water scalar *Visual >0.1 NEG NEG NEG	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water scalar *Visual NEG NEG NEG	ree Water	scalar	*Visual		NEG	NEG	NEG



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

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

Lab Number : 06088437 Unique Number : 10875882

Test Package : MOB 1

: PCA0086280 Received **Tested** Diagnosed

: 13 Feb 2024 : 14 Feb 2024 : 15 Feb 2024 - Sean Felton

1050 E 520 Rd

Kemp Quarries - Pryor Stone - Pryor

Pryor, OK US 74361 Contact:

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)

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