

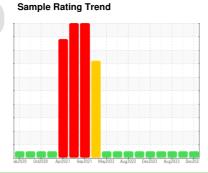
OIL ANALYSIS REPORT



KEMP QUARRIES / RIVER VALLEY BACKBONE WL135

Component **Front Left Final Drive**

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





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

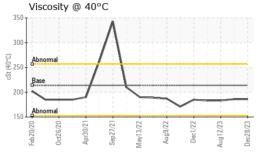
Fluid Condition

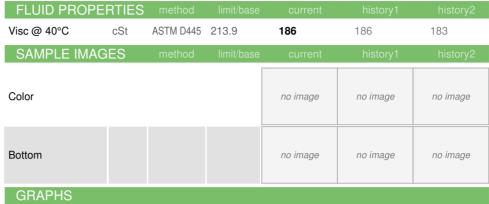
The condition of the oil is acceptable for the time in service.

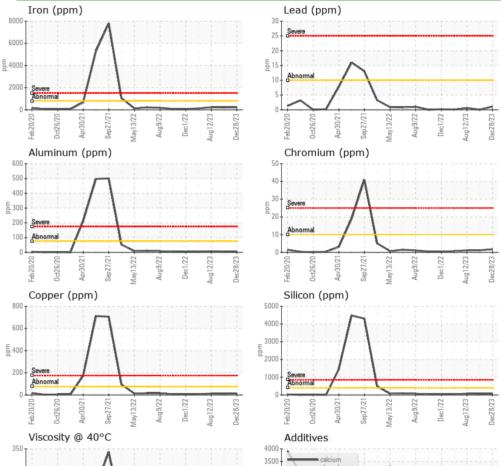
SAMPLE INFORM	<u>//OI</u> TAN	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0069887	PCA0084854	PCA0084839
Sample Date		Client Info		28 Dec 2023	25 Oct 2023	12 Aug 2023
Machine Age	hrs	Client Info		52934	52934	52602
Oil Age	hrs	Client Info		900	900	900
Oil Changed	0	Client Info		Not Changd	Not Changd	Not Changd
Sample Status		Onorie iriio		NORMAL	NORMAL	NORMAL
	ION	and the set	11			
CONTAMINATI	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	225	207	224
Chromium	ppm	ASTM D5185m	>10	2	1	1
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	5	6	8
Lead	ppm	ASTM D5185m	>10	1	0	<1
Copper	ppm	ASTM D5185m	>75	14	12	13
Tin	ppm	ASTM D5185m	>8	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	1	<1	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	1	2
Manganese	ppm	ASTM D5185m	0	3	2	2
Magnesium	ppm	ASTM D5185m	9	26	26	42
Calcium	ppm	ASTM D5185m	3114	3108	2933	2970
Phosphorus	ppm	ASTM D5185m	1099	982	921	943
Zinc	ppm	ASTM D5185m	1245	1191	1201	1181
Sulfur	ppm	ASTM D5185m	7086	8335	6483	7955
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	59	57	73
Sodium	ppm	ASTM D5185m		0	2	1
Potassium	ppm	ASTM D5185m	>20	3	<1	<1
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	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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
44 00° D						



OIL ANALYSIS REPORT







3000

500





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

Test Package : MOB 1

: PCA0069887 : 06054438 : 10820387

300

150

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 08 Jan 2024 : 09 Jan 2024 Diagnosed

Diagnostician : Wes Davis Kemp Quarries - River Valley - Backbone 5600 S Hwy 253

Huntington, AR US 72940

Contact: backbone@rivervalleyquarries.com

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)

Submitted By:

T:

F: