

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

KEMP QUARRIES / RIVER VALLEY ARKOMA

WL152

Front Right Final Drive

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

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0086965	PCA0086358	
Sample Date		Client Info		15 Apr 2024	13 Jun 2023	
Machine Age	hrs	Client Info		31696	31129	
Oil Age	hrs	Client Info		51	31129	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Changed	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
Iron	ppm	ASTM D5185m	>500	18	125	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>10	<1	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	2	3	
Lead	ppm	ASTM D5185m	>25	2	14	
Copper	ppm	ASTM D5185m	>50	19	1 56	
Tin	ppm	ASTM D5185m	>10	1	1 1	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	10	17	
Potassium	ppm	ASTM D5185m	>20	2	1	
Water		WC Method	>0.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	ppm	ASTM D5185m		0	1	
Boron	ppm	ASTM D5185m	2	0	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	1	<1	
Manganese	ppm	ASTM D5185m	0	<1	1	
Magnesium	ppm	ASTM D5185m	9	17	19	
Calcium	ppm	ASTM D5185m	3114	3414	3330	
	ppm	ASTM D5185m	1099	878	1068	
Phosphorus	ppm					
Phosphorus Zinc		ASTM D5185m		1040	1268	
Zinc	ppm	ASTM D5185m	1245	1040	1268 7980	
					1268 7980 92.1	





