

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id MACK 10085 Component

Transmission

PETRO CANADA DURON GEO LD 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The fluid viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0007341		
Sample Date		Client Info		17 May 2024		
Machine Age	hrs	Client Info		7959		
Oil Age	hrs	Client Info		2923		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>320	73		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>50	36		
Lead	ppm	ASTM D5185m	>65	29		
Copper	ppm	ASTM D5185m	>95	30		
Tin	ppm	ASTM D5185m	>6	6		
Vanadium	ppm	ASTM D5185m	20	<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	111		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	50	10		
Manganese	ppm	ASTM D5185m	0	1		
Magnesium	ppm	ASTM D5185m	560	26		
Calcium	ppm	ASTM D5185m	1510	114		
Phosphorus		ASTM D5185m	780	314		
Zinc	ppm		870	5 6		
	ppm	ASTM D5185m		-		
Sulfur	ppm	ASTM D5185m	2040	986		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>65	6		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	4		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Free Water	scalar	*Visual		NEG		
:55:09) Bev: 1	ooului	1.0000				V: TROY BEAN



OIL ANALYSIS REPORT

