

OIL ANALYSIS REPORT

Sample Rating Trend



(BK14469) 419007

Component

Diesel Engine Fluid

PETRO CANADA 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 oil.

Fluid Condition

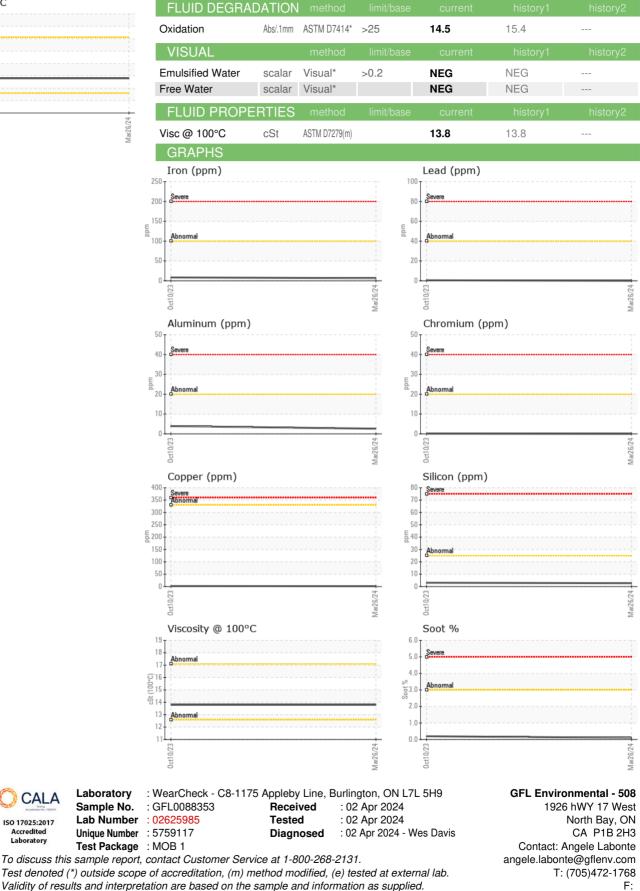
The condition of the oil is acceptable for the time in service.

			0ct2023	Mar2024		
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0088353	GFL0088348	
Sample Date		Client Info		26 Mar 2024	10 Oct 2023	
Machine Age	hrs	Client Info		5578	5203	
Oil Age	hrs	Client Info		600	600	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS	6	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	6	8	
Chromium	ppm	ASTM D5185(m)	>20	0	<1	
Nickel	ppm	ASTM D5185(m)	>4	0	<1	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>3	0	<1	
Aluminum	ppm	ASTM D5185(m)	>20	3	4	
Lead	ppm	ASTM D5185(m)	>40	0	<1	
Copper	ppm	ASTM D5185(m)	>330	1	2	
Tin	ppm	ASTM D5185(m)	>15	0	<1	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	6	
Barium	ppm	ASTM D5185(m)		0	<1	
Molybdenum	ppm	ASTM D5185(m)		59	61	
Manganese	ppm	ASTM D5185(m)		0	0	
Magnesium	ppm	ASTM D5185(m)		981	979	
Calcium	ppm	ASTM D5185(m)		1079	1135	
Phosphorus	ppm	ASTM D5185(m)		982	985	
Zinc	ppm	ASTM D5185(m)		1195	1220	
Sulfur	ppm	ASTM D5185(m)		2468	2380	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ſS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	3	
Sodium	ppm	ASTM D5185(m)		2	2	
Potassium	ppm	ASTM D5185(m)	>20	3	5	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.1	0.2	
	A I /		>20	7.9	8.4	
Nitration	Abs/cm	ASTM D7624*	>20	7.9	0.4	



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CALA

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