

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **MACK 928127**

Component Front Diesel Engine

PETRO CANADA DURON HP 15W40 (--- GAL)

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0122262		
Resample at the next service interval to monitor.	Sample Date		Client Info		31 May 2024		
Wear	Machine Age	hrs	Client Info		14252		
All component wear rates are normal.	Oil Age	hrs	Client Info		560		
Contamination	Oil Changed		Client Info		Changed		
There is no indication of any contamination in the	Sample Status				NORMAL		
oil.				11 1. //			
Fluid Condition	CONTAMINAT	ION	method	limit/base		history1	history2
The condition of the oil is acceptable for the time in	Fuel		WC Method	>3.0	<1.0		
service.	Water			>0.2	NEG		
	Glycol		WC Method		NEG		
	WEAR METAL	.S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185(m)	>120	27		
	Chromium	ppm	ASTM D5185(m)	>20	1		
	Nickel	ppm	ASTM D5185(m)	>5	1		
	Titanium	ppm	ASTM D5185(m)	>2	0		
	Silver	ppm	ASTM D5185(m)	>2	0		
	Aluminum	ppm	ASTM D5185(m)	>20	18		
	Lead	ppm	ASTM D5185(m)	>40	2		
	Copper	ppm	ASTM D5185(m)	>330	2		
	Tin	ppm	ASTM D5185(m)	>15	<1		
	Antimony	ppm	ASTM D5185(m)		0		
	Vanadium	ppm	ASTM D5185(m)		0		
	Beryllium	ppm	ASTM D5185(m)		0		
	Cadmium	ppm	ASTM D5185(m)		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185(m)	0	2		
	Barium	ppm	ASTM D5185(m)	0	0		
	Molybdenum	ppm	ASTM D5185(m)	60	63		
	Manganese	ppm	ASTM D5185(m)	0	<1		
	Magnesium	ppm	ASTM D5185(m)	1010	995		
	Calcium	ppm	ASTM D5185(m)	1070	1108		
	Phosphorus	ppm	ASTM D5185(m)	1150	988		
	Zinc	ppm	ASTM D5185(m)	1270	1224		
	Sulfur	ppm	ASTM D5185(m)		2181		
	Lithium	ppm	ASTM D5185(m)		<1		
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)	>25	5		
	Sodium	ppm	ASTM D5185(m)		3		
	Potassium	ppm	ASTM D5185(m)	>20	4		
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*	>4	0.7		
	Nitration		ASTM D7624*		10.7		
	Sulfation		ASTM D7415*		23.5		



Abnormal

3

31

_ا25

15

10

19

18 Abnorma

cSt (100°C)

13

12

May31,

Mav31

E

Abs

FT-IR (Direct Trend)

Oxidation

Sulfation

Viscosity @ 100°C

OIL ANALYSIS REPORT



To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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Page 2 of 2

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