

OIL ANALYSIS REPORT

Sample Rating Trend



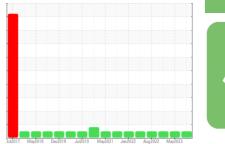


Machine Id 801071

Fluid

Component Diesel Engine

PETRO CANADA DURON HP 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

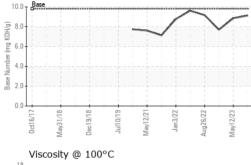
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

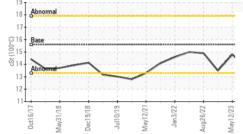
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0077632	GFL0077622	GFL0063754
Sample Date		Client Info		05 Jun 2023	12 May 2023	24 Jan 2023
Machine Age	hrs	Client Info		304843	13412	13004
Oil Age	hrs	Client Info		0	0	437
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	14	47	72
Chromium	ppm	ASTM D5185(m)	>20	<1	1	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	6	9
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	<1	2	2
Tin	ppm	ASTM D5185(m)	>15	0	<1	0
Antimony	ppm	ASTM D5185(m)		0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	<1
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	3	4	4
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	61	67	64
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	1008	1072	1038
Calcium	ppm	ASTM D5185(m)	1070	1105	1276	1209
Phosphorus	ppm	ASTM D5185(m)	1150	1060	1156	1123
Zinc	ppm	ASTM D5185(m)	1270	1223	1319	1300
Sulfur	ppm	ASTM D5185(m)	2060	2438	2469	2424
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN						
		method	limit/base	current	history1	history2
Silicon			limit/base >25	current 5	history1 10	history2 15
Silicon Sodium	TS	method				
Silicon	TS ppm	method ASTM D5185(m)		5	10	15
Silicon Sodium	TS ppm ppm	method ASTM D5185(m) ASTM D5185(m)	>25	5 4	10 5	15 5
Silicon Sodium Potassium	TS ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>25 >20	5 4 <1	10 5 1	15 5 <1
Silicon Sodium Potassium INFRA-RED	Г S ppm ppm ppm	method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method	>25 >20 limit/base	5 4 <1 current	10 5 1 history1	15 5 <1 history2

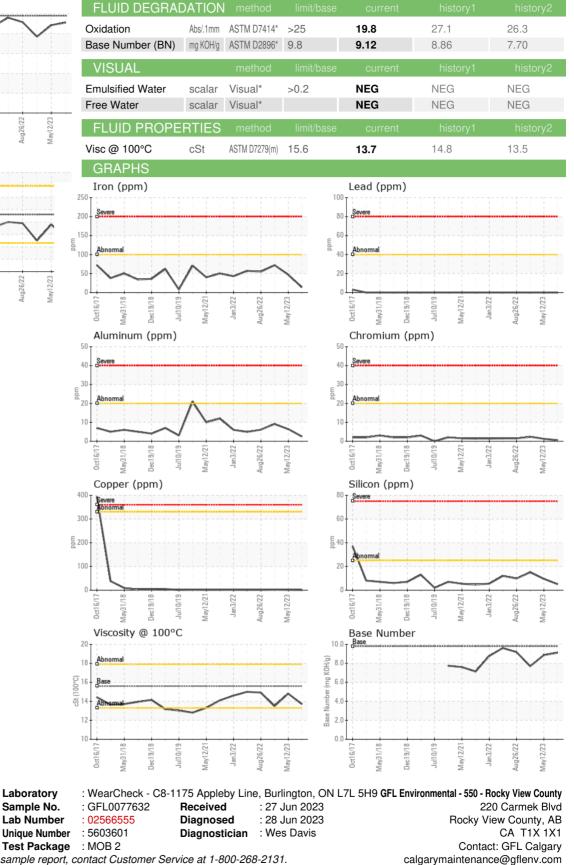


OIL ANALYSIS REPORT

Base Number







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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Т:

CALA

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