

OIL ANALYSIS REPORT

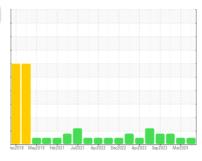
Area

CGER (ATELIER DE SAINT-JEROME) 801115

Diesel Engine

Fluid

PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)



Sample Rating Trend



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117257	GFL0112457	GFL0099527
Sample Date		Client Info		12 Jun 2024	25 Mar 2024	14 Dec 2023
Machine Age	hrs	Client Info		554	14414	183000
Oil Age	hrs	Client Info		554	600	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	MARGINAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<u>^</u> 2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	21	25	24
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>4	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>20	2	4	3
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	()	>330	<1	1	1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
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)	1	7	3	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	59	58	57
Manganese	ppm	ASTM D5185(m)		<1	<1	0
Magnesium	ppm	ASTM D5185(m)	1010	935	927	919
Calcium	ppm	ASTM D5185(m)	1070	1093	1057	1029
Phosphorus	ppm	ASTM D5185(m)	1150	963	969	956
Zinc	ppm	ASTM D5185(m)	1270	1195	1190	1157
Sulfur	ppm	ASTM D5185(m)	2060	2419	2285	2430
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	8	4	6
Sodium	ppm	ASTM D5185(m)		8	8	8
Potassium	ppm	ASTM D5185(m)	>20	<1	1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.6	0.8	0.8
Nitration	Abs/cm	ASTM D7624*	>20	10.2	10.6	10.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.6	22.8	22.5



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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: GFL0117257

: 02642290 Unique Number : 5799829

Received **Tested**

: 17 Jun 2024 : 18 Jun 2024 Diagnosed

: 18 Jun 2024 - Wes Davis Test Package : MOB 2 (Additional Tests: KV40, TAN Auto, TAN Man, VI, Visual) To discuss this sample report, contact Customer Service at 1-800-268-2131.

CA T1X 1X1 Contact: GFL Calgary calgarymaintenance@gflenv.com T:

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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