

OIL ANALYSIS REPORT



Machine Id

101023

Component Diesel Engine

Fluid PETRO CANADA DURON SHP 10W30 (--- 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.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0107927	GFL0107912	
Sample Date		Client Info		08 May 2024	14 Feb 2024	
Machine Age	hrs	Client Info		16025	15494	
Oil Age	hrs	Client Info		400	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT		method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	0.8	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	21	28	
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	
Nickel	ppm	ASTM D5185(m)	>4	0	<1	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>3	0	0	
Aluminum	ppm	ASTM D5185(m)	>20	5	9	
Lead	ppm	ASTM D5185(m)	>40	0	<1	
Copper	ppm	ASTM D5185(m)	>330	3	2	
Tin	ppm	ASTM D5185(m)	>15	0	0	
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	2	1	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	50	59	60	
Manganese	ppm	ASTM D5185(m)	0	<1	0	
Magnesium	ppm	ASTM D5185(m)	950	967	981	
Calcium	ppm	ASTM D5185(m)	1050	1072	1070	
Phosphorus	ppm	ASTM D5185(m)	995	978	1047	
Zinc	ppm	ASTM D5185(m)	1180	1195	1193	
Sulfur	ppm	ASTM D5185(m)	2600	2482	2754	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	2	5	
Sodium	ppm	ASTM D5185(m)		2	4	
Potassium	ppm	ASTM D5185(m)	>20	4	13	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.4	0.4	
Nitration	Abs/cm	ASTM D7624*	>20	8.1	8.5	
Sulfation	Abs/.1mm	ASTM D7624 ASTM D7415*	>30	19.7	19.5	
Canadon	/ 10/0/.1111111					

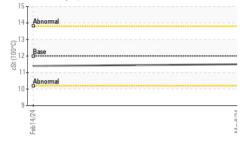


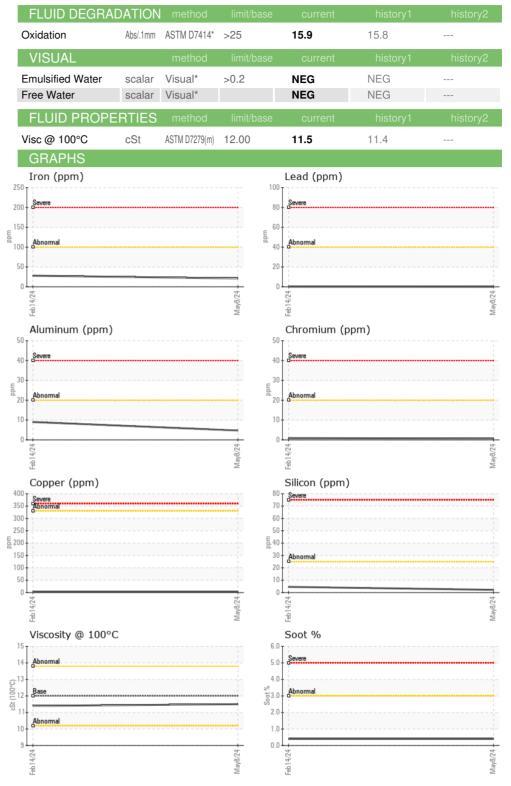
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Viscosity @ 100°C





Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 350 - Emeral Park Regina CALA Sample No. : GFL0107927 Received : 10 May 2024 2B Industrial Drive,, Great Plains Industrial Park, Lab Number : 02634504 Tested : 10 May 2024 Emerald Park, SK ISO 17025:2017 Accredited Unique Number : 5775657 Diagnosed : 10 May 2024 - Wes Davis CA S4L 1B6 Laboratory Test Package : MOB 1 Contact: Kim Cunningham To discuss this sample report, contact Customer Service at 1-800-268-2131. kcunningham@gflenv.com Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Т: ٦S Validity of results and interpretation are based on the sample and information as supplied. F:

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Contact/Location: Kim Cunningham - GFL350 Page 2 of 2