

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 913022

Component Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

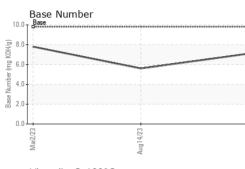
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

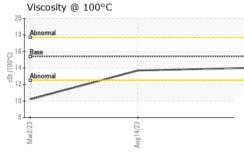
iAL)		Mar	r2023	Aug2023 Nov20	23	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0092615	GFL0082537	GFL0064255
Sample Date		Client Info		06 Nov 2023	14 Aug 2023	02 Mar 2023
Machine Age	hrs	Client Info		2423	1818	638
Oil Age	hrs	Client Info		605	610	638
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINATI	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	0.5
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	18	52	40
Chromium	ppm	ASTM D5185m	>20	<1	2	1
Nickel	ppm	ASTM D5185m	>4	2	1 0	1 5
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	2	5
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	30	69	165
Tin	ppm	ASTM D5185m	>15	1	3	4
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	6	220
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	70	112
Manganese	ppm	ASTM D5185m	0	<1	2	6
Magnesium	ppm	ASTM D5185m	1010	951	1063	634
Calcium	ppm	ASTM D5185m	1070			
Phosphorus			1070	1059	1202	1349
i noopnorao	ppm	ASTM D5185m	1150	1059 947	1202 998	1349 651
	ppm ppm					
Zinc		ASTM D5185m	1150	947	998	651
Zinc	ppm ppm	ASTM D5185m ASTM D5185m	1150 1270	947 1273	998 1292	651 785
Zinc Sulfur CONTAMINAN	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method	1150 1270 2060	947 1273 2398	998 1292 2545	651 785 2038
Zinc Sulfur CONTAMINAN Silicon	ppm ppm TS	ASTM D5185m ASTM D5185m ASTM D5185m method	1150 1270 2060 limit/base	947 1273 2398 current	998 1292 2545 history1	651 785 2038 history2
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OIL ANALYSIS REPORT

VISUAL





Unique Number : 10740019 Diagnostician : Wes Davis 05 5303	Certificate L2367	Test Package	: FLEET contact Customer Serv	ice at 1-8	800-237-1369	9.			ntact: Tim Kieffe ffer@gflenv.cor
Velow Metal scalar Visual NONE NONE NONE NONE NONE NONE NONE NON		Sample No. Lab Number Unique Number	: GFL0092615 : <mark>06006257</mark>	Receive Diagnos	d :13 ed :14	Nov 2023 Nov 2023	GFL Envir		296 County Rd Horicon, W
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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)