

Current

GFL0117296

02 May 2024

Changed

20662

582

582

History1

20083

619

619

Changed

History2

537126

Changed

GFL0112414 GFL0099582

15 Feb 2024 21 Nov 2023

0

0

#### Machine Id 401024 Component Diesel Engine Fluid PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)

Test

Sample Number

Sample Date

Machine Age

Oil Age

Filter Age

Oil Changed

UOM

hrs

hrs

hrs

Method

Client Info

**Client Info** 

Client Info

Client Info

Client Info

Client Info

Limit/Abn

### RECOMMENDATION

Check for low coolant level. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. No other corrective action is recommended at this time.

### WEAR

All component wear rates are normal.

# **CONTAMINATION**

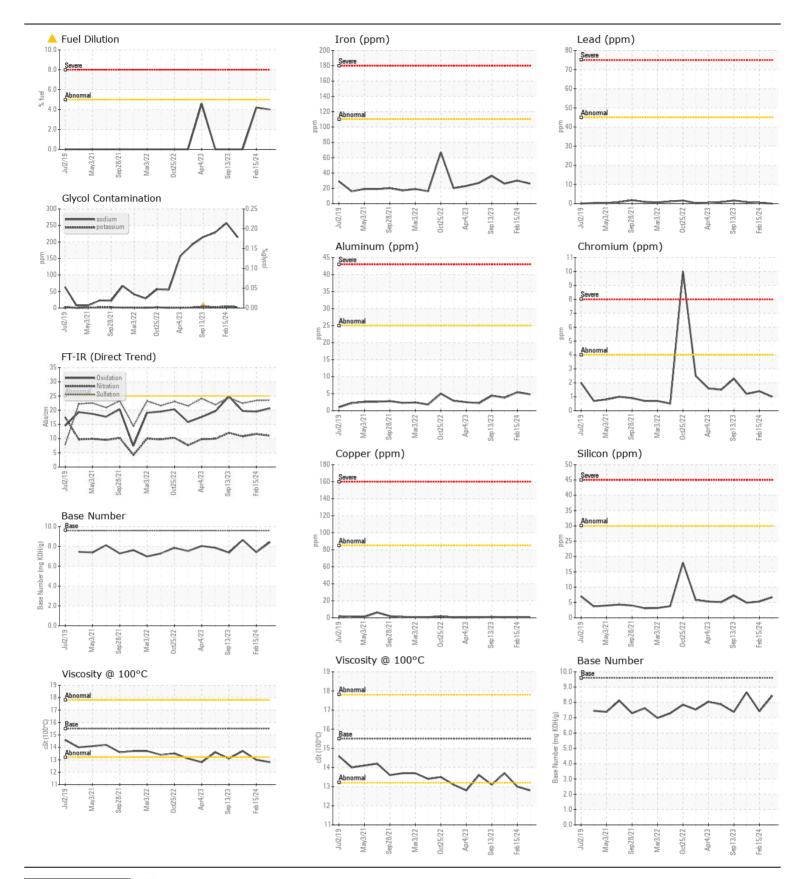
Light fuel dilution occurring. Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative. No other contaminants were detected in the oil.

Filter	Changed		Client Info		Changed	Changed	Changed
Sample Status					ATTENTION	ATTENTION	ATTENTION
				110	00	00	
Iron Chron		ppm	ASTM D5185(m)	>110	26	30 1	26 1
	-	ppm	ASTM D5185(m)	>4	1		
Nickel Titaniu		ppm	ASTM D5185(m)	>2	<1 0	<1	<1
Silver	1111	ppm	ASTM D5185(m) ASTM D5185(m)	>2	0	0	0 <1
Alumi	200	ppm	ASTM D5185(m)	>25	5	5	4
Lead	lum	ppm	ASTM D5185(m)	>25	0	5 <1	4 <1
Coppe	or.	ppm	ASTM D5185(m)	>45	0 <1	<1	<1
Tin	51	ppm	ASTM D5185(m)	>05	0	0	0
Vanac	lium	ppm	ASTM D5185(m)	>4	0	0	0
vanac		ppm	A0110 D0100(111)				0
Silicor	า	ppm	ASTM D5185(m)	>30	7	5	5
Potas	sium	ppm	ASTM D5185(m)	>20	3	4	3
Fuel		%	ASTM D7593*	>5	<b>4</b>	<b>4</b> .2	<1.0
Water			WC Method	>0.2	NEG	NEG	NEG
Glyco		%	ASTM D7922*		0.0	0.0	0.0
Soot %	6	%	ASTM D7844*	>3	0.8	0.9	0.7
Nitrati	on	Abs/cm	ASTM D7624*	>20	11.0	11.6	10.8
Sulfat	ion	Abs/.1mm	ASTM D7415*	>30	23.5	23.4	22.4
Emulsi	fied Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodiu	m	ppm	ASTM D5185(m)		214	257	228
Boron		ppm	ASTM D5185(m)	1	2	<1	1
Bariur	n	ppm	ASTM D5185(m)	1	0	0	<1
Molyb	denum	ppm	ASTM D5185(m)	60	64	64	65
Manga	anese	ppm	ASTM D5185(m)	1	<1	0	0
Magne	esium	ppm	ASTM D5185(m)	1010	922	883	915
Calciu	m	ppm	ASTM D5185(m)	1070	1025	1020	1022
Phosp	horus	ppm	ASTM D5185(m)	1150	944	958	948
Zinc		ppm	ASTM D5185(m)	1270	1133	1112	1151
Sulfur		ppm	ASTM D5185(m)	2060	2298	2424	2389
Oxida	tion	Abs/.1mm	ASTM D7414*	>25	20.6	19.5	19.7
Base N	umber (BN)	mg KOH/g	ASTM D2896*	9.6	8.43	7.41	8.66
Visc @	⊉ 100°C	cSt	ASTM D7279(m)	15.5	12.8	13.0	13.7

# **FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service (see recommendation).

Submitted By: GFL Calgary



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County CALA 回偷 . : GFL0117296 Sample No. Received :07 May 2024 220 Carmek Blvd : 02633821 Lab Number Tested :08 May 2024 Rocky View County, AB ISO 17025:2017 Unique Number : 5774974 Accredited : 08 May 2024 - Kevin Marson Diagnosed CA T1X 1X1 Laboratory Test Package : MOB 2 (Additional Tests: FuelDilution, Glycol, PercentFuel) Contact: GFL Calgary To discuss this sample report, contact Customer Service at 1-800-268-2131. calgarymaintenance@gflenv.com Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: F: (403)369-6163 Validity of results and interpretation are based on the sample and information as supplied.

Submitted By: GFL Calgary Page 2 of 2