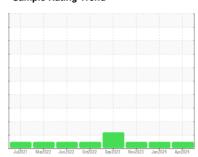


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 0556 Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

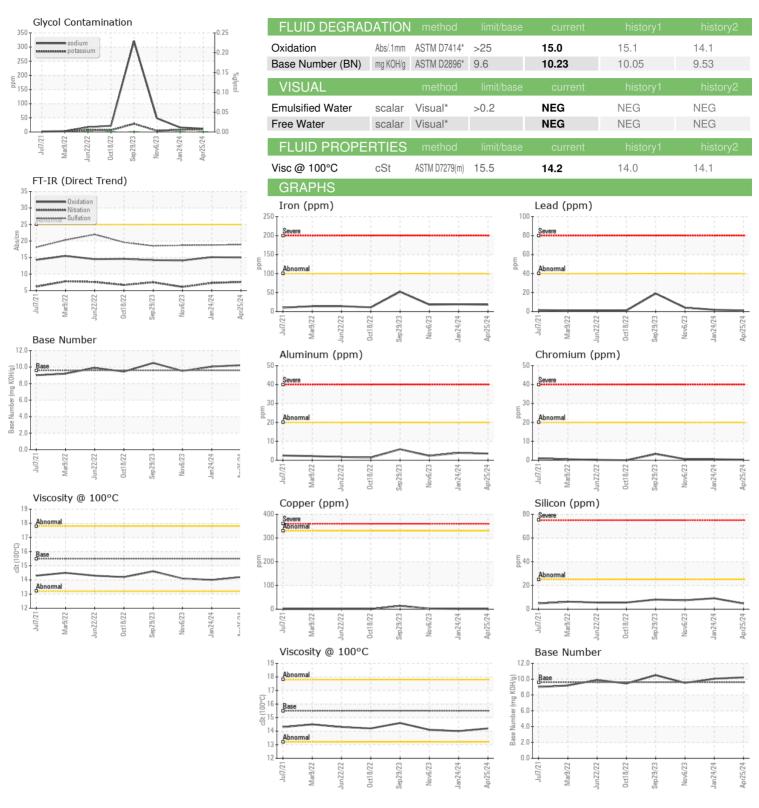
Fluid Condition

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

5W40 (GAL))	Jul2021 1	Mar2022 Jun2022 Oct207	ZZ Sep2023 Nov2023 Jan2024	Apr2024	
SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117276	GFL0099608	GFL0091582
Sample Date		Client Info		25 Apr 2024	24 Jan 2024	06 Nov 2023
Machine Age	kms	Client Info		217886	209463	204407
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	18	19	18
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	4	4	2
Lead	ppm	ASTM D5185(m)	>40	1	2	4
Copper	ppm	ASTM D5185(m)	>330	1	1	3
Tin	ppm	ASTM D5185(m)	>15	<1	<1	1
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	3	2	3
Barium	ppm	ASTM D5185(m)	1	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	56	56	57
Manganese	ppm	ASTM D5185(m)	1	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	911	891	909
Calcium	ppm	ASTM D5185(m)	1070	993	1025	1007
Phosphorus	ppm	ASTM D5185(m)	1150	971	980	976
Zinc	ppm	ASTM D5185(m)	1270	1126	1157	1137
Sulfur	ppm	ASTM D5185(m)	2060	2463	2709	2497
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	9	8
Sodium	ppm	ASTM D5185(m)		12	16	48
Potassium	ppm	ASTM D5185(m)	>20	9	8	4
Glycol	%	ASTM D7922*		0.0	0.0	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.2	0.1	0.1
Nitration	Abs/cm	ASTM D7624*	>20	7.6	7.3	6.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.9	18.8	18.7



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02632475 Unique Number : 5773628

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County : GFL0117276 Received :01 May 2024

Tested Diagnosed Test Package : MOB 2 (Additional Tests: Glycol)

: 02 May 2024 : 02 May 2024 - Wes Davis

220 Carmek Blvd Rocky View County, AB **CA T1X 1X1** Contact: GFL Calgary

calgarymaintenance@gflenv.com

T: F: (403)369-6163

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.

To discuss this sample report, contact Customer Service at 1-800-268-2131.