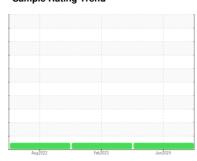


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 930023 Component Diesel Engine

PETRO CANADA DURON GEO LD 15W40 (--- 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

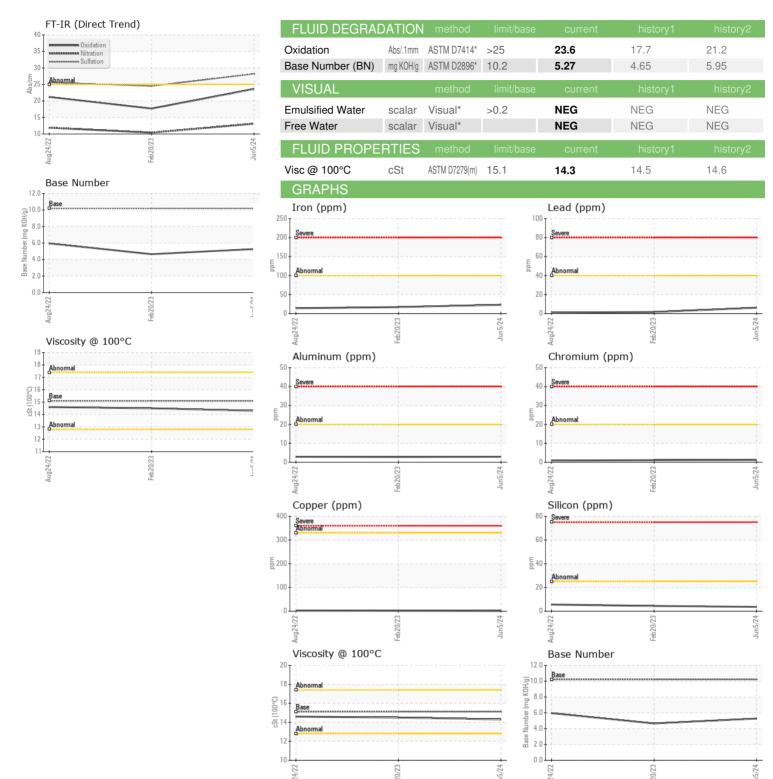
Fluid Condition

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

SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117288	GFL0070715	GFL0057838
Sample Date		Client Info		05 Jun 2024	20 Feb 2023	24 Aug 2022
Machine Age	hrs	Client Info		7190	3551	2328
Oil Age	hrs	Client Info		1345	1223	1173
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	TION	method	limit/base	current	history1	history2
- uel		WC Method	>5	<1.0	<1.0	<1.0
<i>N</i> ater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>100	23	17	14
Chromium	ppm	ASTM D5185(m)	>20	1	1	<1
Nickel	ppm	ASTM D5185(m)	>4	1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	3	3	3
Lead	ppm	ASTM D5185(m)	>40	6	2	1
Copper	ppm	ASTM D5185(m)	>330	1	2	3
Γin	ppm	ASTM D5185(m)	>15	<1	1	1
Antimony	ppm	ASTM D5185(m)		0	0	<1
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)	50	7	7	7
Barium	ppm	ASTM D5185(m)	5	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	61	57	52
Manganese	ppm	ASTM D5185(m)	0	1	1	1
Magnesium	ppm	ASTM D5185(m)	560	621	597	545
Calcium	ppm	ASTM D5185(m)	1510	1801	1782	1613
Phosphorus	ppm	ASTM D5185(m)	780	759	770	660
Zinc	ppm	ASTM D5185(m)	870	989	964	888
Sulfur	ppm	ASTM D5185(m)	2040	2081	2112	1993
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	4	6
Sodium	ppm	ASTM D5185(m)		11	9	8
Potassium	ppm	ASTM D5185(m)	>20	1	1	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	13.1	10.4	11.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	28.2	24.5	25.6



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02641070 Unique Number : 5798609

: GFL0117288

Test Package : MOB 2

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

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County Received : 11 Jun 2024

Tested : 11 Jun 2024

Diagnosed : 11 Jun 2024 - Wes Davis

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

calgarymaintenance@gflenv.com T:

F: (403)369-6163

Validity of results and interpretation are based on the sample and information as supplied. Report Id: GFL550 [WCAMIS] 02641070 (Generated: 06/11/2024 16:34:57) Rev: 1

Submitted By: GFL Calgary