

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL





Machine Id 928008 **Diesel Engine**

PETRO CANADA DURON SHP 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

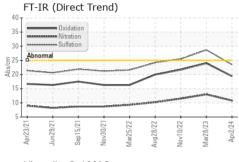
Fluid Condition

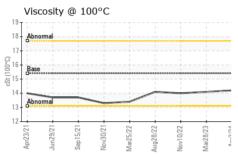
The condition of the oil is acceptable for the time in service.

SAMPLE INFOR	<u>AOIT</u> AMF	method				history2
Sample Number		Client Info		GFL0080094	GFL0044752	GFL004466
Sample Date		Client Info		02 Apr 2024	28 Mar 2023	10 Nov 2022
Machine Age	hrs	Client Info		16606	14614	0
Dil Age	hrs	Client Info		600	600	0
Oil Changed	1110	Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel	HON	WC Method	>3.0	<1.0	<1.0	<1.0
-uei Nater		WC Method	>0.2	<1.0 NEG	NEG	NEG
		WC Method	>0.2	NEG	NEG	NEG
Glycol	_			NEG		
WEAR META	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>120	20	29	19
Chromium	ppm	ASTM D5185(m)		<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)		4	3	2
Lead	ppm	ASTM D5185(m)	>40	1	2	4
Copper	ppm	ASTM D5185(m)		2	1	2
Tin	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)	0	2	2	1
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	62	63	61
Manganese	ppm	ASTM D5185(m)	0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	979	1013	989
Calcium	ppm	ASTM D5185(m)	1070	1032	1150	1094
Phosphorus	ppm	ASTM D5185(m)	1150	933	1062	1057
Zinc	ppm	ASTM D5185(m)	1270	1203	1256	1240
Sulfur	ppm	ASTM D5185(m)	2060	2074	2121	2159
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	6	5
Sodium	ppm	ASTM D5185(m)		8	9	7
Potassium	ppm	ASTM D5185(m)	>20	2	4	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	0.7	0.9	0.7
Nitration	Abs/cm	ASTM D7624*	>20	10.8	13.0	11.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.5	28.7	25.5

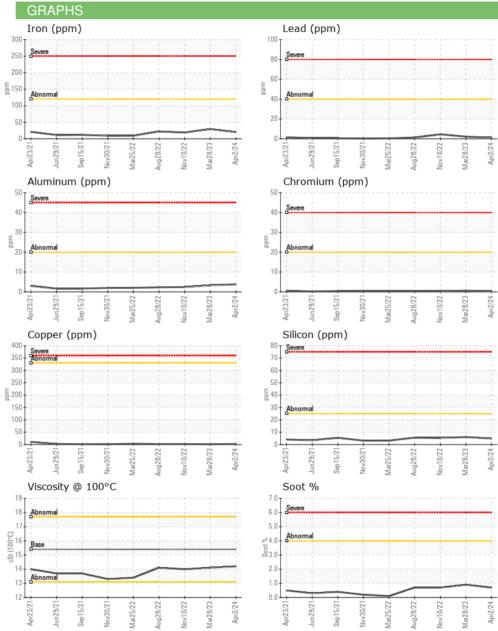


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FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.4	24.0	21.7
VISUAL		method	limit/base	current	history1	history2
Emulsified Water Free Water	scalar scalar	Visual* Visual*	>0.2	NEG NEG	NEG NEG	NEG NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.2	14.1	14.0
GRAPHS						
Iron (ppm)				Lead (ppm)		





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02636846 Unique Number : 5786008 Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 577 - First Class : GFL0080094

Received : 22 May 2024 **Tested** : 22 May 2024 Diagnosed

: 22 May 2024 - Wes Davis

8540 Chilliwack Mountain Rd, Chilliwack, BC

CA V2R 3W8 Contact: Derek Jessop djessop@gflenv.com T: (604)798-5301

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.

Validity of results and interpretation are based on the sample and information as supplied. Report Id: GFL577 [WCAMIS] 02636846 (Generated: 05/22/2024 12:25:53) Rev: 1

Submitted By: Derek Jessop