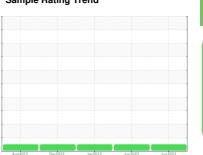


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id **226046** Component **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

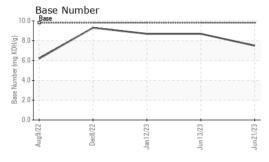
Fluid Condition

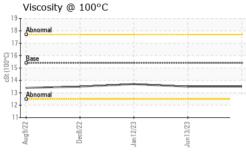
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

14 3111 13W 40 (GAL)	Aug2022	Dec2022	Jan 2023 Jun 2023	Jun2023	
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0072561	GFL0072524	GFL0067236
Sample Date		Client Info		21 Jun 2023	13 Jun 2023	12 Jan 2023
Machine Age	hrs	Client Info		15769	14845	14845
Oil Age	hrs	Client Info		15769	14845	13787
Oil Changed		Client Info		Not Changd	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history 1	history 2
ron	ppm	ASTM D5185m	>80	15	9	9
Chromium	ppm	ASTM D5185m	>5	1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>30	4	2	3
Lead	ppm	ASTM D5185m	>30	<1	<1	0
Copper	ppm	ASTM D5185m		4	<1	2
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	2	7	7
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	64	58	64
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	949	969	920
Calcium	ppm	ASTM D5185m	1070	1105	1109	1159
Phosphorus	ppm	ASTM D5185m	1150	1035	1052	1002
Zinc	ppm	ASTM D5185m	1270	1280	1299	1229
Sulfur	ppm	ASTM D5185m	2060	3107	3736	3583
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>20	5	4	4
Sodium	ppm	ASTM D5185m		2	3	1
Potassium	ppm	ASTM D5185m	>20	3	2	2
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.6	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	10.0	7.5	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	19.4	18.5
FLUID DEGRA	OATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.3	15.2	15.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.5	8.7	8.7
, ,	0					



OIL ANALYSIS REPORT

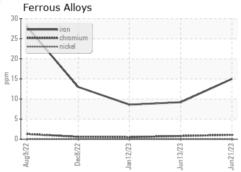


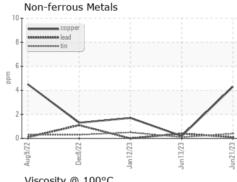


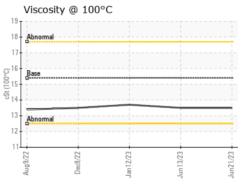
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

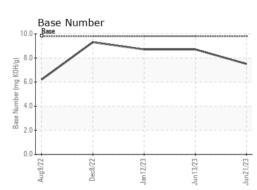
FLUID PROPE	ERTIES	method			history 1	history 2
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.5	13.7

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: GFL0072561 : 05887338 : 10537821

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 29 Jun 2023 : 02 Jul 2023 Diagnostician : Wes Davis

GFL Environmental - 419 - Metro Saginaw

6950 N Michigan Saginaw, MI US 48604 Contact: Jeremy Hines

jhines@gflenv.com T: (800)684-1277

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)