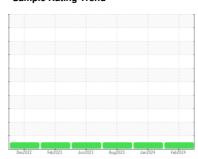


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **927054** Component

Diesel Engine

PETRO CANADA DURON SHP 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

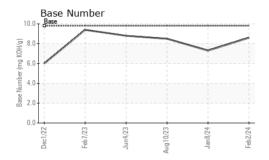
Fluid Condition

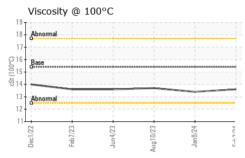
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATI		Feb2023 Jun2023	Aug2023 Jan2024	Feb2024	
ONIVII EL IIVI OTTIVIATI	ON method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0108422	GFL0108406	GFL0089494
Sample Date	Client Info		02 Feb 2024	08 Jan 2024	10 Aug 2023
Machine Age hrs	Client Info		15251	15101	14567
Oil Age hrs	Client Info		15251	15101	0
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	NORMAL	NORMAL
CONTAMINATION	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Water	WC Method	>0.2	NEG	NEG	NEG
Glycol	WC Method		NEG	NEG	NEG
WEAR METALS	method	limit/base	current	history1	history2
Iron ppn	ASTM D5185m	>110	7	17	16
Chromium ppn	ASTM D5185m	>4	<1	<1	<1
Nickel ppn		>2	<1	0	0
Titanium ppn	ASTM D5185m		<1	0	0
Silver ppn	ASTM D5185m	>2	0	0	0
Aluminum ppn	ASTM D5185m	>25	<1	2	2
Lead ppn	ASTM D5185m	>45	<1	<1	0
Copper ppn	ASTM D5185m	>85	<1	2	2
Tin ppn		>4	<1	<1	<1
Vanadium ppn	ASTM D5185m		0	0	0
Cadmium ppn	n ASTM D5185m		<1	0	0
ADDITIVES	method	limit/base	current	history1	history2
Boron ppn	ASTM D5185m	0	5	1	2
Barium ppn	ASTM D5185m	0	0	0	0
Molybdenum ppn	ASTM D5185m	60	62	62	64
Manganese ppn	ASTM D5185m	0	<1	0	<1
Magnesium ppn		1010	1000	989	1050
Calcium ppn	ASTM D5185m	1070	1040	1046	1144
Phosphorus ppn		1150	1003	1073	1096
Zinc ppn		1270	1271	1280	1375
Sulfur ppn	n ASTM D5185m	2060	3068	2923	3811
CONTAMINANTS	method	limit/base	current	history1	history2
Silicon ppn		>30	4	4	4
Sodium ppn		0.5	0	5	5
Potassium ppn	n ASTM D5185m	>20	2	4	3
INFRA-RED	method	limit/base	current	history1	history2
Soot % %	*ASTM D7844	>3	0.1	0.4	0.4
	cm *ASTM D7624	>20	5.1	8.2	8.3
Nitration Abs/		0.0	40.0	100	100
Sulfation Abs/.		>30	18.6	19.6	19.8
	ON method	>30 limit/base	current	19.6 history1	history2
Sulfation Abs/.	ON method				



OIL ANALYSIS REPORT

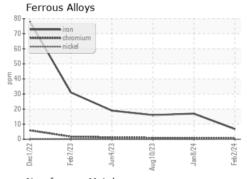


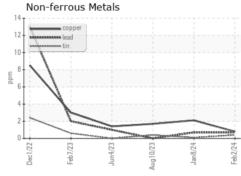


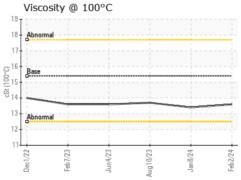
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

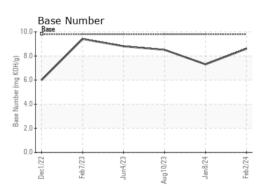
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	13.4	13.7

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number : 06085249 Unique Number : 10872694 Test Package : FLEET

: GFL0108422

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

: 09 Feb 2024 Diagnosed

: 12 Feb 2024 : 12 Feb 2024 - Wes Davis

GFL Environmental - 918 - Hartland HC 630 E Industrial Drive

Hartland, WI US 53029 Contact: David McCall

david.mccall@gflenv.com T: (262)369-3069

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)