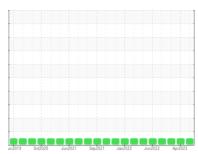


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **11361**

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (8 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

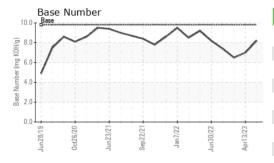
Fluid Condition

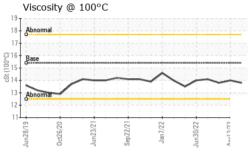
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

IAL)		un2019 Oc	t2020 Jun2021 Se	p2021 Jan2022 Jun2022	Apr2023	
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0082228	GFL0073792	GFL0069227
Sample Date		Client Info		06 Jul 2023	13 Apr 2023	08 Feb 2023
Machine Age	hrs	Client Info		10911	10360	9946
Oil Age	hrs	Client Info		551	414	677
Oil Changed		Client Info		Changed	Changed	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
Iron	ppm	ASTM D5185m	>100	24	10	20
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>50	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>50	7	0	5
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	2	<1	2
Tin	ppm	ASTM D5185m	>15	<1	0	0
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	3	8	6
Barium	ppm	ASTM D5185m	0	0	2	0
Molybdenum	ppm	ASTM D5185m	60	64	62	71
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	955	796	695
Calcium	ppm	ASTM D5185m	1070	1193	1167	1474
Phosphorus	ppm	ASTM D5185m	1150	1088	994	1042
Zinc	ppm	ASTM D5185m	1270	1366	1203	1291
Sulfur	ppm	ASTM D5185m	2060	3763	2834	3096
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	9	3	4
Sodium	ppm	ASTM D5185m		2	0	<1
Potassium	ppm	ASTM D5185m	>20	6	2	5
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>5	0.6	0.3	0.7
Nitration	Abs/cm	*ASTM D7624	>20	9.7	7.5	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	17.6	21.4
FLUID DEGRA	OATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7	15.0	17.9
Base Number (BN)	mg KOH/g		9.8	8.2	7.0	6.5
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OIL ANALYSIS REPORT



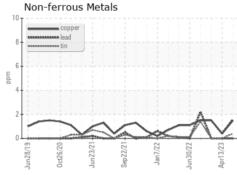


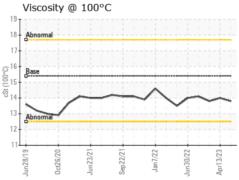
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

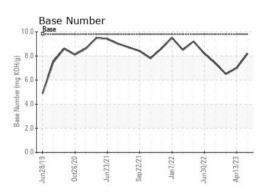
FLUID PROPERTIES		method			history 1	history 2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	14.0	13.8

GRAPHS

Ferrous Alloys









Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10547881 Test Package : FLEET

: GFL0082228 : 05892071

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jul 2023 Diagnosed : 07 Jul 2023

Diagnostician : Wes Davis

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)

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