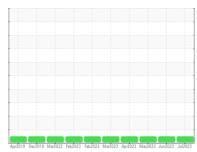


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 2680 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.

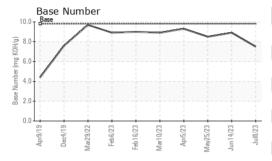
Fluid Condition

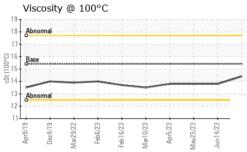
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Applies DeuZelis Madozz Fedzez Fedzez Madozz Appliez Maydozz Maydozz Juniozz Judezz Judezz						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0083153	GFL0083163	GFL0083180
Sample Date		Client Info		08 Jul 2023	14 Jun 2023	25 May 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>165	65	8	8
Chromium	ppm	ASTM D5185m	>5	4	<1	<1
Nickel	ppm	ASTM D5185m	>4	2	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		11	<1	1
Lead	ppm	ASTM D5185m	>150	<1	0	1
Copper	ppm	ASTM D5185m	>90	6	2	3
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	1-1-	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	10	8	6
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	62	61
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	803	956	948
Calcium	ppm	ASTM D5185m	1070	1199	1237	1173
Phosphorus	ppm	ASTM D5185m	1150	948	1018	1034
Zinc	ppm	ASTM D5185m	1270	1139	1244	1278
Sulfur	ppm	ASTM D5185m	2060	3119	3594	3796
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	17	5	6
Sodium	ppm	ASTM D5185m		21	3	3
Potassium	ppm	ASTM D5185m	>20	3	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	2	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	10.8	8.4	7.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.0	19.7	20.0
FLUID DEGRAI	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.1	15.1	15.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.5	8.9	8.5
. ,						



OIL ANALYSIS REPORT

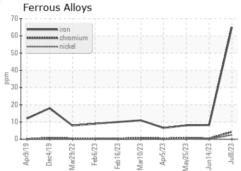


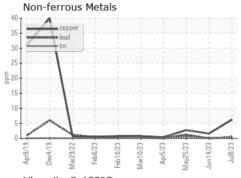


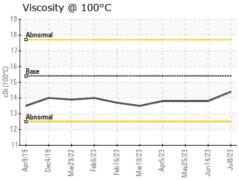
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

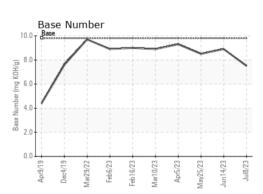
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.4	13.8	13.8

GRAPHS













Certificate L2367

Laboratory

Sample No. Lab Number Unique Number : 10553048 Test Package : FLEET

: GFL0083153 : 05897238

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Jul 2023

Diagnosed : 14 Jul 2023 Diagnostician : Don Baldridge GFL Environmental - 074 - Douglas - Transwaste

1219 Landfill Road Douglas, GA US 31533

Contact: CURTIS JACOBS

CURTIS.JACOBS@GFLENV.COM T: (912)384-6001

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)