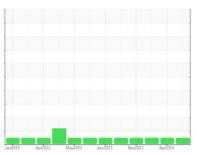


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **733005**

Natural Gas 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

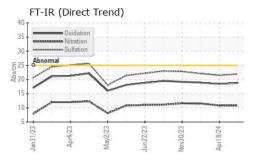
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

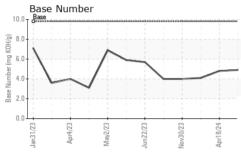
GAL)		Jan 2023	Apr2023 May2023	Jun2023 Nov2023 A	pr2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0121772	GFL0106857	GFL0092161
Sample Date		Client Info		26 Jun 2024	18 Apr 2024	07 Feb 2024
Machine Age	hrs	Client Info		4910	4287	3728
Oil Age	hrs	Client Info		600	20900	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	7	<1
Chromium	ppm	ASTM D5185m	>4	0	1	<1
Nickel	ppm	ASTM D5185m	>2	0	1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>9	2	2	1
Lead	ppm	ASTM D5185m	>30	0	2	2
Copper	ppm	ASTM D5185m	>35	0	2	<1
Tin	ppm	ASTM D5185m	>4	<1	2	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	8	10	8
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	60	51	55	51
Manganese	ppm	ASTM D5185m	0	<1	1	1
Magnesium	ppm	ASTM D5185m	1010	599	547	506
Calcium	ppm	ASTM D5185m	1070	1663	1648	1496
Phosphorus	ppm	ASTM D5185m	1150	704	684	597
Zinc	ppm	ASTM D5185m	1270	979	966	890
Sulfur	ppm	ASTM D5185m	2060	2801	2701	2175
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	6	<1
Sodium	ppm	ASTM D5185m		7	6	6
Potassium	ppm	ASTM D5185m	>20	<1	4	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	10.8	10.8	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	21.5	22.1
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.8	18.4	18.9
Daga Number (DNI)				4.0	4.0	4.4

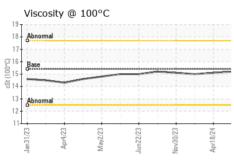
Base Number (BN) mg KOH/g ASTM D2896 9.8 4.9



OIL ANALYSIS REPORT



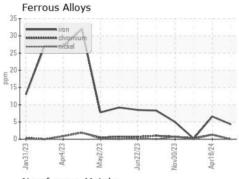


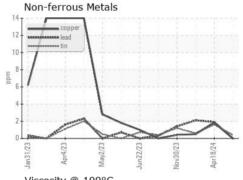


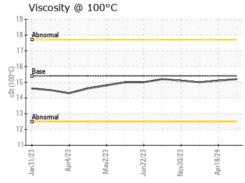
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

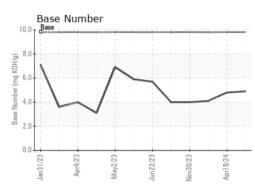
FLUID PROP	EKITES	method	ilmit/base		nistory i	nistory∠
Visc @ 100°C	cSt	ASTM D445	15.4	15.2	15.1	15.0

GRAPHS













Certificate 12367

Laboratory Sample No. Lab Number : 06227202 Unique Number : 11110695 Test Package : FLEET

: GFL0121772

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jul 2024

Tested : 05 Jul 2024 Diagnosed

: 05 Jul 2024 - Angela Borella

GFL Environmental - 856 - Houston South 8515 Highway 6 South Houston, TX

US 77083

Contact: Apolinar Zacarias pzacariascano@gflenv.com T:

* - 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)

F: