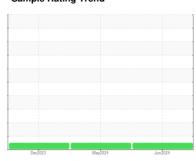


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id **940006**

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.

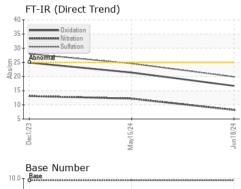
GAL)		Dec	2023	May2024 Jun20.	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113029	GFL0113056	GFL0059653
Sample Date		Client Info		18 Jun 2024	15 May 2024	01 Dec 2023
Machine Age	hrs	Client Info		9787	9633	0
Oil Age	hrs	Client Info		600	600	0
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS	5	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	9	9
Chromium	ppm	ASTM D5185m	>4	<1	2	2
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>9	2	4	9
Lead	ppm	ASTM D5185m	>30	<1	3	7
Copper	ppm	ASTM D5185m	>35	1	3	6
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	31	12	7
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	51	59	59
Manganese	ppm	ASTM D5185m	0	0	0	<1
Magnesium	ppm	ASTM D5185m	1010	589	617	673
Calcium	ppm	ASTM D5185m	1070	1571	1760	1829
Phosphorus	ppm	ASTM D5185m	1150	778	850	921
Zinc	ppm	ASTM D5185m	1270	965	1052	1092
Sulfur	ppm	ASTM D5185m	2060	2367	2750	2457
CONTAMINANT	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	5	7
Sodium	ppm	ASTM D5185m		3	8	10
Potassium	ppm	ASTM D5185m	>20	2	7	25
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.2	12.2	13.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	24.6	28.0
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	21.4	24.9
			-			-

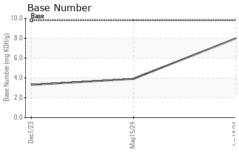
Base Number (BN) mg KOH/g ASTM D2896 9.8

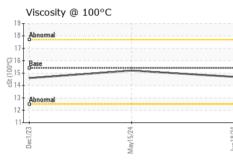
8.0

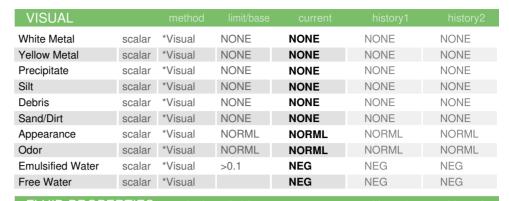


OIL ANALYSIS REPORT



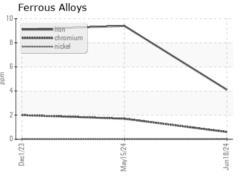


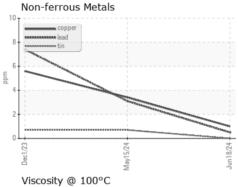


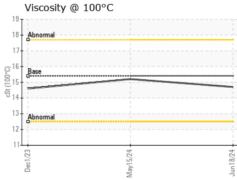


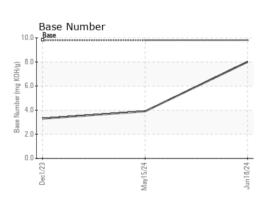
FLUID PROP	EHILO	method			flistory i	Historyz
Visc @ 100°C	cSt	ASTM D445	15.4	14.7	15.2	14.6

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0113029 Lab Number : 06216601 Unique Number : 11089465 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jun 2024

Tested : 24 Jun 2024 Diagnosed : 24 Jun 2024 - Sean Felton

GFL Environmental - 924 - Madison HC 300 Raemisch Road

Waunakee, WI US 53597 Contact: Ben Briggs ben.briggs@gflenv.com T: (608)770-9196

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)

Report Id: GFL924 [WUSCAR] 06216601 (Generated: 06/24/2024 10:28:42) Rev: 1